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## **ANALYTICAL TESTING OF CAMEL SNUS PRODUCTS**

### **OBJECTIVE**

The objective of this report is to summarize and provide statistical analysis of the data collected from the analytical testing of Camel Snus products: Frost, Mellow, Winterchill, Robust, Mint, and Frost Large. Samples were collected at a minimum of quarterly from the production plant between January 2013 and December 2015.

### **SUMMARY**

Camel Snus samples were collected and submitted for analytical assessment from January 2013 through December 2015. Quantitative analysis was performed for the following analytes: nicotine, anabasine, nor nicotine, moisture, pH, arsenic, cadmium, formaldehyde, acetaldehyde, crotonaldehyde, benzo(a)pyrene, N'-nitrosonornicotine (NNN), 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK), n-nitrosoanatabine (NAT), and N-nitrosoanabasine (NAB). All analyses were conducted in the R.J. Reynolds routine analytical labs by Eurofins Lancaster Laboratories Professional Scientific Services (ELL). Results are summarized herein.

### **STATUS**

This work is complete.


### **KEYWORDS**

Camel Snus, HPHC, NNN, NNK, NAT, NAB, nicotine, free nicotine, moisture, anabasine, nor nicotine, pH, benzo(a)pyrene, arsenic, cadmium, formaldehyde, acetaldehyde, crotonaldehyde

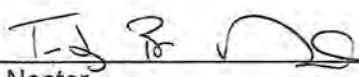
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## INTRODUCTION

Camel Snus samples were collected from the manufacturing site, Taylor Brothers, in Winston-Salem, North Carolina and analyzed throughout 2013 - 2015. All product was collected after packaging and submitted to the analytical laboratory. Analytes evaluated consisted of the smokeless tobacco analytes specified in Table 1 of the FDA Draft Guidance for Industry, "Reporting Harmful and Potentially Harmful Constituents in Tobacco Products and Tobacco Smoke Under Section 904(a)(3) of the Federal Food, Drug, and Cosmetic Act" issued March 2012. The purpose of this testing was to establish a dataset for those analytes of interest. Anabasine and nornicotine were analyzed in 2013 for additional information.

## EXPERIMENTAL

### Testing Laboratory:

RJRT currently has an outsourced solution for analytical testing using a Professional Staffing Services (PSS) model that is provided by Eurofins Lancaster Laboratories Professional Scientific Services (ELL-PSS). The laboratory facility is on-site at RJRT and the laboratory testing protocols are maintained by RJRT. Operation of the facility and testing is conducted by ELL-PSS personnel on a contract basis. The certificates of ISO 17025 accreditation list R.J. Reynolds Tobacco Company as the accredited facility, and ELL-PSS is contractually required to maintain the Quality System and ensure accreditation while providing analytical services. The RJRT Chemical and Mechanical accreditations are attached as [Appendix C](#) (Chemical Accreditation June 2018) and [Appendix D](#) (Mechanical Accreditation June 2018). The routine testing in this report is within the scope of that accreditation.

### Testing Condition:

It was determined by RJRT Product Development that Camel Snus was stable at room temperature for up to a year and did not require refrigeration (RDM FKS 2014, 251). During testing, samples were maintained at room temperature (~ 72 °F) via thermostatic control of the central heat and air conditioning system. Samples were tested "as-received" for a minimum of three replicates and the pouch was included as part of the sample with all of the analyses.

### Methods:

Smokeless tobacco chemical testing by ELL-PSS involves internal standard operation procedures. [Table A](#) includes a listing of the analytical methods per analyte tested. Over time the methods have undergone revision. Document names were changed from ACD prefix to RJRT-WI- prefix with a new document repository system in 2014. A short description of each method follows the table. All analytical methods, including specific

revisions applicable at the time of sample analysis are attached in [Appendix B](#). Table B lists the limits of detection and limits of quantification for each of the analytes.

**Table A: Analytes and Methods**

Analyte	Test Method	Method Description
Anabasine	RJRT-WI-004105	Determination of Specific Alkaloids in Tobacco
Arsenic	RJRT-WI-004210	Determination of Elemental Content by Inductively Coupled Plasma Mass Spectrometry
Cadmium	RJRT-WI-004210	Determination of Elemental Content by Inductively Coupled Plasma Mass Spectrometry
Benzo(a)pyrene	RJRT-WI-004204	Determination of Benzo(a)pyrene (B(a)P) in Fired-Cured and Other Tobaccos
Formaldehyde	RJRT-WI-004219	Determination of Carbonyl Compounds in Tobacco and Tobacco Products
NAB	RJRT-WI-004216	Determination of Tobacco Specific Nitrosamines by HPLC-MS-MS
NAT	RJRT-WI-004216	Determination of Tobacco Specific Nitrosamines by HPLC-MS-MS
NNK	RJRT-WI-004216	Determination of Tobacco Specific Nitrosamines by HPLC-MS-MS
NNN	RJRT-WI-004216	Determination of Tobacco Specific Nitrosamines by HPLC-MS-MS
Nicotine	RJRT-WI-004105	Determination of Specific Alkaloids in Tobacco
Nornicotine	RJRT-WI-004105	Determination of Specific Alkaloids in Tobacco
Acetaldehyde	RJRT-WI-004219	Determination of Carbonyl Compounds in Tobacco and Tobacco Products
Crotonaldehyde	RJRT-WI-004219	Determination of Carbonyl Compounds in Tobacco and Tobacco Products
pH	RJRT-WI-004089	Determination of pH in Tobacco
Product Weight	RJRT-WI-004264	Determination of Product –Component Weight

**Table B: Limits of Detection (LOD) and Limits of Quantification (LOQ)**

Test Method	Analyte	units	LOD	LOQ
RJRT-WI-004105	Anabasine	ug/g	1.4	4.8
RJRT-WI-004210	Arsenic	ng/g	2.0	8.2
RJRT-WI-004210	Cadmium	ng/g	0.6	3.2
RJRT-WI-004204	Benzo(a)pyrene	ng/g	0.3	1
RJRT-WI-004219	Formaldehyde	ng/g	233	906
RJRT-WI-004216	NAB	ng/g	5	10
RJRT-WI-004216	NAT	ng/g	20	40
RJRT-WI-004216	NNK	ng/g	20	40
RJRT-WI-004216	NNN	ng/g	20	40
RJRT-WI-004105	Nicotine	ug/g	127	424
RJRT-WI-004105	Nornicotine	ug/g	15.8	52.5
RJRT-WI-004219	Acetaldehyde	ng/g	482	996
RJRT-WI-004219	Crotonaldehyde	ng/g	156	710

### Determination of Specific Alkaloids in Tobacco (RJRT-WI-004105)

Snus tobacco products were slit open and weighed prior to alkalization with sodium hydroxide (NaOH). This solution was extracted with Methyl-tert-Butyl Ether (MTBE) spiked with internal standard using a wrist-action shaker. The mixture was allowed to separate and the resulting MTBE layer transferred to an autosampler vial for analysis of



nicotine, anabasine, and nornicotine by gas chromatography using a flame ionization detector (GC-FID). Quantitation was achieved using an internal standard calibration comprised of six points. Data was determined to be acceptable if the correlation coefficient of the calibration curve was greater than 0.9980, the response factors (RF) were consistent, the percent relative standard deviation (%RSD) for RF equal or less than 5%, the check solution values were within 10% of target, values for the Quality Control samples (QC) were within established control limits, and chromatograms had appropriate identification of peaks.

### **Determination of Elemental Content by Inductively Coupled Plasma Mass Spectrometry (RJRT-WI-004210)**

Snus tobacco products were digested as-is in ultra-pure nitric acid at 190 °C using closed-vessel microwave digestion. Following digestion, samples were allowed to cool and then transferred to a 100 mL volumetric flask. Internal standard was added and samples were brought to volume with Type I water and filtered through 0.45 µm surfactant-free cellulose acetate (SFCA) filters. Aliquots were analyzed for cadmium (Cd) and arsenic (As) by inductively coupled plasma mass spectrometry (ICP-MS). Quantitation was achieved using a method of internal standard calibration comprised of six points. A blank sample was prepared and analyzed with the samples to ensure no contamination from the lab environment. Data was determined to be acceptable if the correlation coefficient of the calibration curve was greater than 0.999, reference solution values were within 10% of target, analysis of sample blank was acceptable (below the method level of quantification (MLOQ)), and the standard reference material (SRM) used as a control sample was within 30% of the certified value. Samples were analyzed in triplicate, and the %RSD of the replicate values were required to be less than 25% for analytes that had statistically significant levels above the MLOQ. If the %RSD was greater than 25%, more replicates were processed for that sample.

### **Determination of Benzo(a)pyrene (B(a)P) in Fire-Cured and Other Tobaccos (RJRT-WI-004204)**

Snus tobacco products were slit open and the pouches with tobacco weighed and extracted with methanol by shaking on a platform shaker. The extracts were filtered using disposable polyvinylidene difluoride membrane syringe filters (PVDF) into an autosampler vial. Samples were analyzed for B(a)P by High Performance Liquid Chromatography with fluorescence detection (HPLC-FLD). Quantitation was achieved using an external standard calibration comprised of five points. Data was determined to be acceptable if the correlation coefficient for the calibration curve was greater than or equal to 0.990, calibration blank and matrix blank had no observable interferences, chromatograms had no anomalies, values for the QC samples were within established control limits, and check solution values were within 15% of target.

## **Determination of Tobacco Specific Nitrosamines by HPLC-MS-MS (RJRT-WI-004216)**

Snus tobacco products were extracted in an aqueous ammonium acetate solution and filtered through disposable PVDF syringe filters into autosampler vials. The extract was analyzed for the following tobacco specific nitrosamines (TSNA): N-nitrosonornicotine (NNN), N-nitrosoanatabine (NAT), N-nitrosoanabasine (NAB), and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK). Analysis was performed using high performance liquid chromatography-tandem mass spectrometry (HPLC-MS-MS). Detection was by multiple reaction monitoring (MRM) of the precursor ion to a product ion specific for each compound. Quantitation was achieved using an internal standard calibration comprised of ten points. A separate internal standard was used for each analyte by using a mixture of four stable isotope-labeled analytes. Results are reported in units of ng/g. Data was determined to be acceptable if the correlation coefficient for the calibration curve was greater than 0.99, standards were within 85% to 115% of expected concentration values, check solution values were within 75% to 125% of target, peak shape and resolution were acceptable (based on historical data), and values for the QC samples were within established control limits.

## **Determination of Carbonyl Compounds in Tobacco and Tobacco Products (RJRT-WI-004219)**

Snus tobacco products were slit open and extracted in an aqueous solution containing 2,4-dinitrophenylhydrazine (DNPH) by shaking on a platform shaker. The DNPH forms UV absorbing derivatives with carbonyl compounds. Quantitation for formaldehyde, acetaldehyde, and crotonaldehyde was performed using liquid chromatography with UV absorbance detection. Quantitation was achieved using an internal standard calibration comprised of five points. Data was determined to be acceptable if the correlation coefficient for the calibration curve was equal to or greater than 0.990, check solution values were within 20% of target, results for the fortified matrix control samples (FMCS) were within 30% of the expected value, and peak shape and resolution were acceptable (based on historical data).

## **Gravimetric Determination of Moisture in Tobacco (RJRT-WI-004090)**

Snus tobacco products were cut in half and the moisture content (oven volatiles) determined by measuring the reduction in mass when dried in an oven ( $99 \pm 0.5^\circ$ ) for 3 hours. Samples were allowed to cool in a desiccator for 30 minutes prior to weighing the second time. The results obtained using this method may be greater than the results of a more specific water content analysis (Karl Fischer method) because of the loss of volatile materials other than water from smokeless tobacco products during oven drying. Measurements were made in triplicate.

## Determination of pH in Tobacco (RJRT-WI-004089)

Snus tobacco products were cut in half and extracted with 30 mL Type I water by stirring and then allowing to stand for one hour before measuring the pH using a combination electrode and potentiometer standardized by buffer solutions. Data was determined to be acceptable if the slope of the calibration curve was between 90% to 105%, the check solution values were within the specifications provided on the certificate, the 7.0 buffer solution was between 6.80 and 7.20 pH, and the %RSD for three replicates was less than 3%.

## Determination of Product –Component Weight (RJRT-WI-004264)

Snus tobacco samples were weighed using an analytical balance in groups of 10 pouches, and the group weight was divided by 10 to calculate the individual weight. Measurements were made in triplicate.

## Estimated Free Nicotine Calculation

Free (un-ionized) nicotine was estimated using a calculation based on the constituent nicotine and pH of tobacco test articles using the Henderson-Hasselbalch equation:

$\text{pH} = \text{pKa} + \log (B/\text{BH}^+)$ , where pKa is the acid dissociation constant ( $\text{pKa} = 8.02$ ), B is the free nicotine concentration and  $\text{BH}^+$  is the ionized nicotine concentration.

Rearranging the equation:  $B/\text{BH}^+ = 10^{(\text{pH}-\text{pKa})}$

% un-ionized (free) nicotine =  $((10^{(\text{pH}-\text{pKa})}/(10^{(\text{pH}-\text{pKa})} + 1)) * 100$

Total free nicotine (mg/g) = nicotine x (% un-ionized (free) nicotine/100)

## RESULTS

Results are tabulated in [Appendix A](#) as follows:

[Table 1](#) lists the individual replicate data collected, as well as the manufactured dates and the dates of analysis completion. The calculated values for un-ionized nicotine and total free nicotine are listed as well.

[Table 2](#) summarizes the product descriptive data, which is the mean, maximum, and minimum values obtained from the analyses collected between 2013 and 2015 for each of the six Camel Snus styles.

[Table 3](#) summarizes the range of data obtained for the 0.6 gram nominal weight styles (Camel Snus Frost, Camel Snus Mellow, and Camel Snus Mint) on a “per unit” basis.

[Table 4](#) summarizes the range of data obtained for the 1.0 gram nominal weight styles (Camel Snus Frost Large, Camel Snus Robust, and Camel Snus Winterchill) on a “per unit” basis.

[Table 5](#) lists the replicate data for the quality control samples analyzed between 2013 and 2015 for nicotine, anabasine, nor nicotine, arsenic, cadmium, benzo(a)pyrene, NNK, NNN, NAB, and NAT.

[Table 6](#) summarizes the data for the quality control samples, listing the mean, minimum, and maximum values with the number of replicates analyzed.

[Table 7](#) summarizes the data for all six Camel Snus styles on a per gram basis, displaying the mean, minimum and maximum obtained for the analytes of interest.

The limit of quantification (LOQ) is typically determined by a signal to noise ratio of 10:1. For the majority of methods, this is defined by the lowest standard in the calibration curve. LWLIMS uses the response input from the instrument and the input of the weight of the sample from the balance to calculate the “per gram” basis for each analyte. Because of this, the LOQ may vary in value per replicate. An asterisk is used to indicate when the replicate value is below the LOQ, and the LOQ value is used in the calculated tables.

Mean, minimum and maximum data shown in [Tables 3](#) were calculated as follows: the average of the replicate data for each of the three 0.6 gram Camel Snus styles was determined; then the average, minimum and maximum of those three numbers were determined. These numbers were multiplied by 0.6 g to display the data on a per unit basis (0.6 gram nominal portion size). Likewise in [Table 4](#), the average of the replicate data for each of the 1.0 gram Camel Snus styles was determined; then the average, minimum and maximum of those three numbers were determined. These numbers were multiplied by 1.0 gram to display the data on a per unit basis (1.0 gram nominal portion size). The mean, minimum and maximum data shown in [Table 7](#) were calculated by determining the average for each of the six styles of Camel Snus, then using these numbers to calculate the mean, minimum and maximum values for each analyte, displaying combined data for Camel Snus on a per gram basis.

Charts 1-4 provide a comparison of results obtained from laboratory quality control samples tested concurrently with Camel Snus samples between 2013 and 2015. Laboratory quality control samples for the determinations of NNK/NNN, B(a)P and nicotine consisted of individual, single batches of tobaccos prepared at one point in time that were qualified for use as quality control samples. As such, unlike Camel Snus, results obtained from the analysis of laboratory quality control samples are not influenced by any contributions from manufacturing variability over time, small inherent differences in lots of tobacco that reflect the fact it is a natural product or other potential sources of variability.

Charts 1-2 illustrate the variance associated with the lab quality control sample vs. Camel Snus product results for NNK and NNN respectively. Chart 3 illustrates the variance associated with the lab quality control sample vs. Camel Snus product results for B(a)P. The quality control sample for this analysis was changed to a different product in April of 2014, therefore the chart displays data from January 2013 through

March 2014. Chart 4 illustrates the variance associated with the lab quality control sample vs. Camel Snus product results for nicotine. Inspection of the charts reveals that analytical variability is a principal contributor to the overall, absolute variability observed for Camel Snus results over time. For example, in Chart 1 the laboratory quality control sample response spans a range of approximately 400 ng/g during the period tested (~ 900 – 1300 ng/g). Similarly, Camel Snus styles response spans a range of approximately 400 ng/g (~ 200 – 600 ng/g). Charts 2 – 4 confirm similar findings for other analytes. Collectively, the results in Charts 1-4 suggest that, in general, the analytical methods applied provided a significant contribution to overall variability observed for Camel Snus test results.

Chart 1: Camel Snus Means vs Quality Control Sample Means for NNK

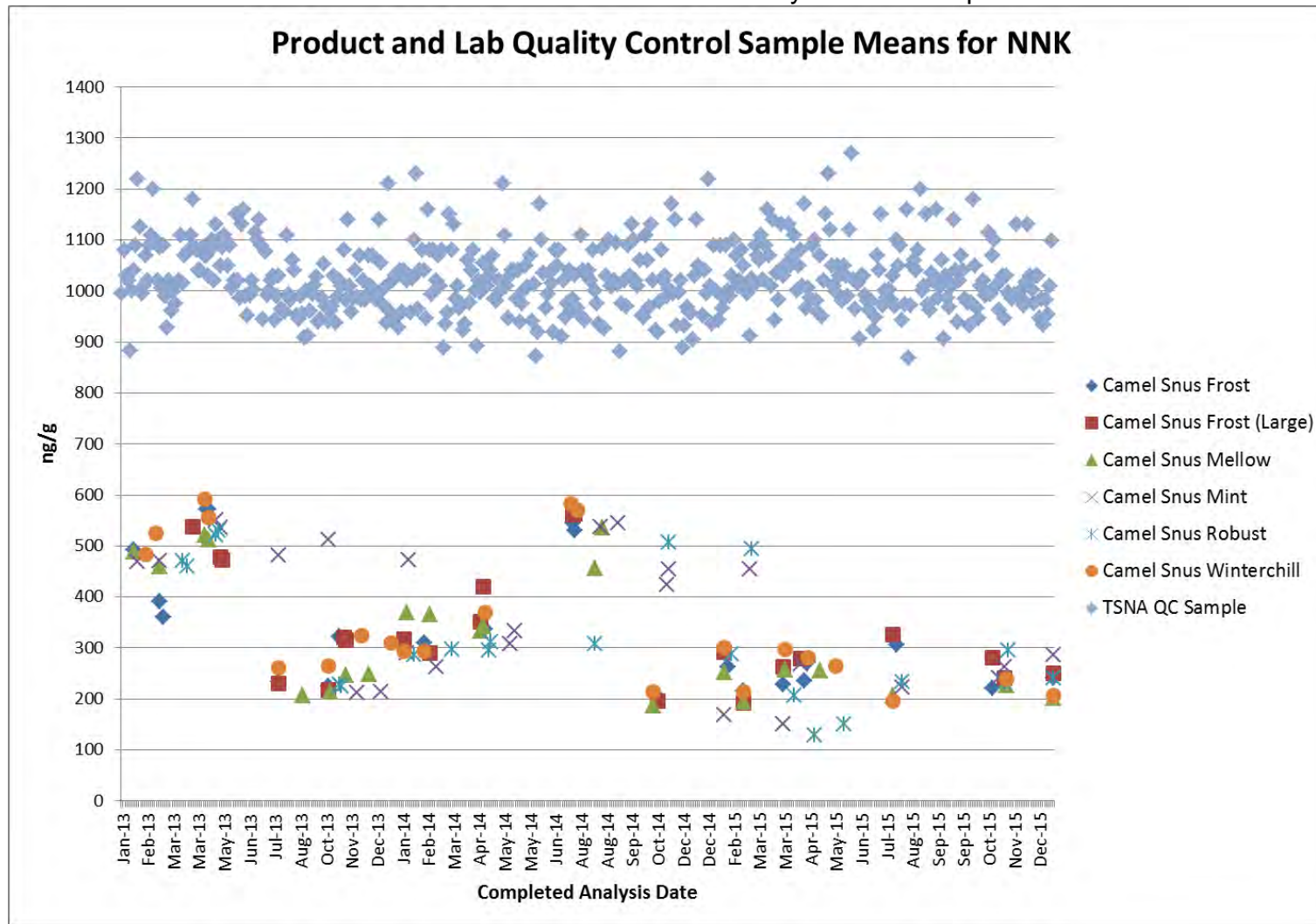


Chart 2: Camel Snus Means vs Quality Control Sample Means for NNN

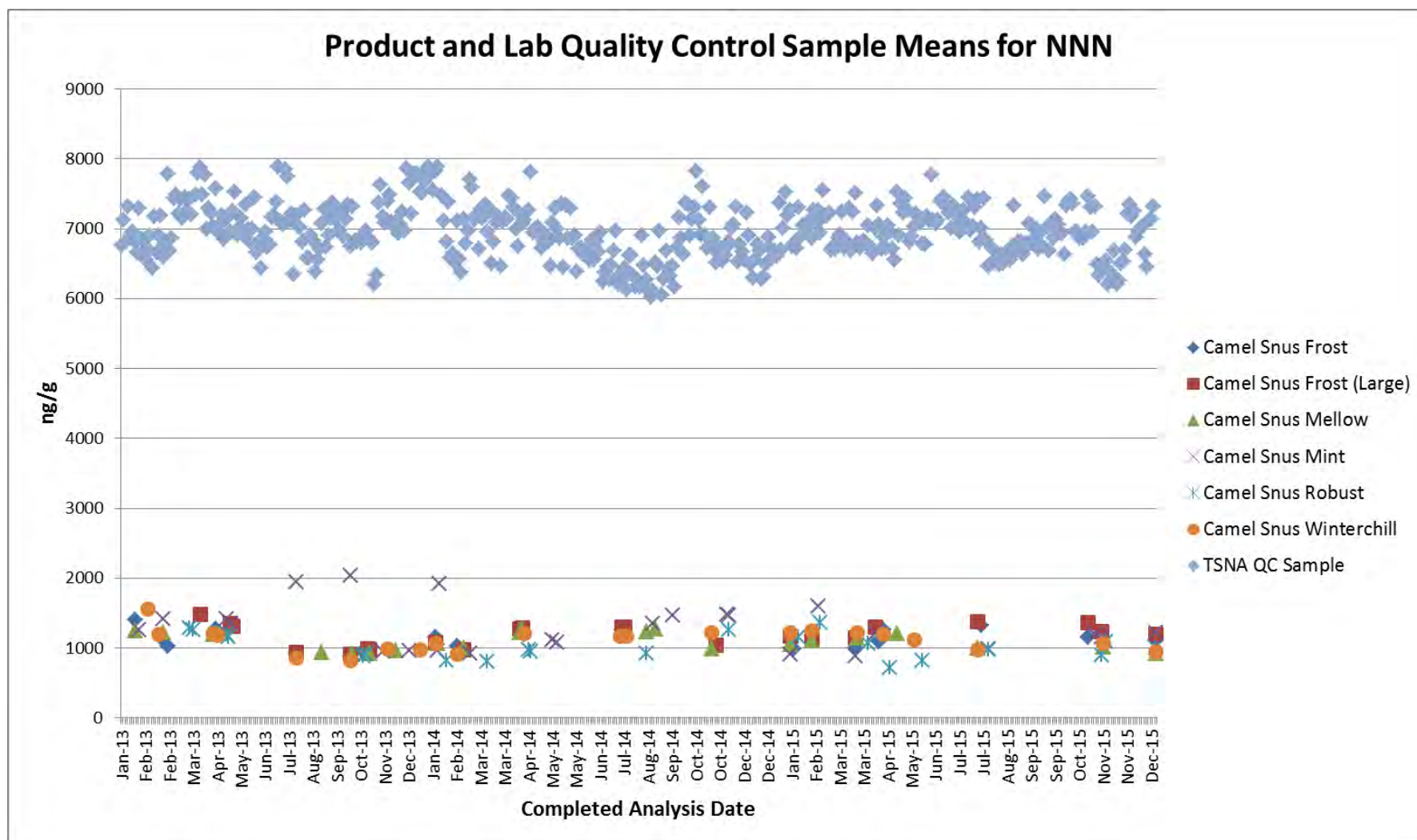


Chart 3: Camel Snus Means vs Quality Control Sample Means for B(a)P through March 2013



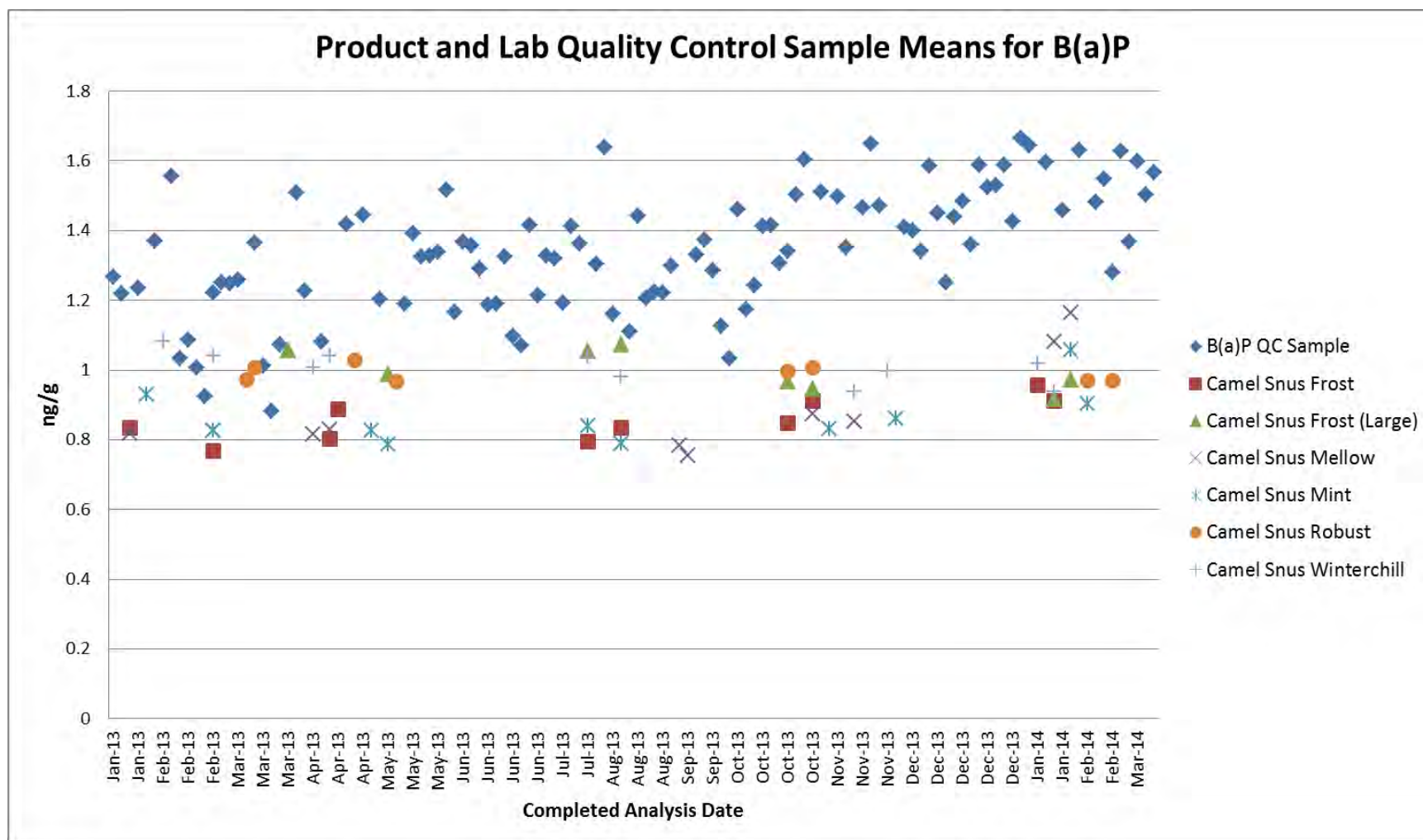
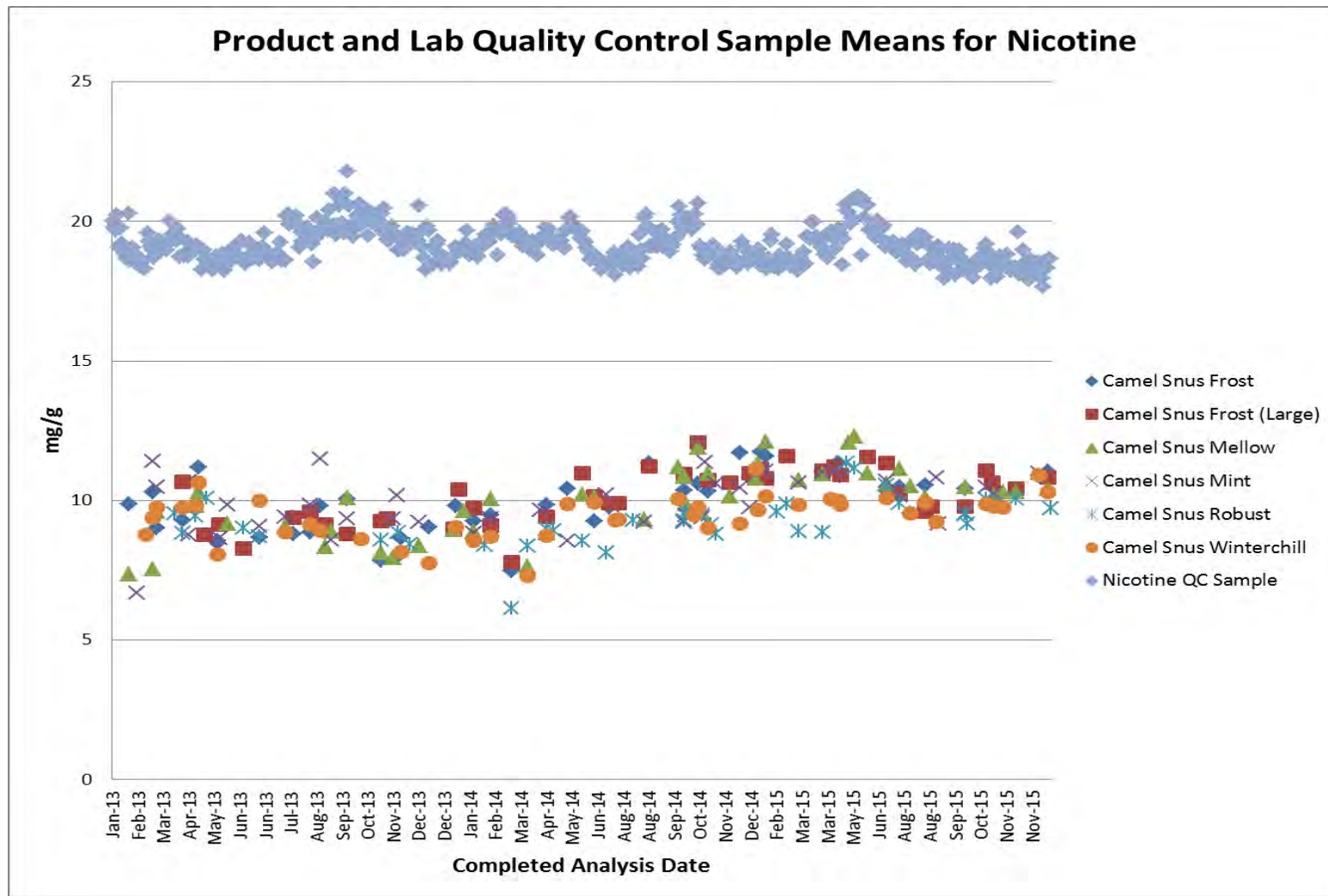


Chart 4: Camel Snus Means vs Quality Control Sample Means for Nicotine



## Appendix A

### Results

Table 1. Camel Snus Product Data Listing (as is)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Frost	03JAN2013	1	10.35	0.053	0.203	23.61	2.44	19FEB2013
		2	10.30	0.050	0.212	23.61	2.43	19FEB2013
		3	10.27	0.052	0.206	23.19	2.38	19FEB2013
	07JAN2013	1	9.89	N/A	N/A	30.39	3.01	22JAN2013
		2	9.86	N/A	N/A	29.90	2.95	22JAN2013
	06FEB2013	1	8.99	N/A	N/A	35.99	3.24	22FEB2013
		2	9.01	N/A	N/A	35.46	3.20	22FEB2013
	01MAR2013	1	9.31	N/A	N/A	32.37	3.01	23MAR2013
		2	9.24	N/A	N/A	31.87	2.94	23MAR2013
	03APR2013	1	10.67	N/A	N/A	27.09	2.89	18APR2013
		2	10.66	N/A	N/A	27.09	2.89	18APR2013
		1	11.41	0.067	0.247	27.09	3.09	22APR2013
		2	11.02	0.065	0.242	27.09	2.99	22APR2013
		3	11.15	0.063	0.252	27.55	3.07	22APR2013
	02MAY2013	1	8.58	N/A	N/A	33.39	2.86	10MAY2013
		2	8.54	N/A	N/A	31.87	2.72	10MAY2013
	07JUN2013	1	8.68	N/A	N/A	37.06	3.22	21JUN2013
		2	8.68	N/A	N/A	35.46	3.08	21JUN2013

N/A= not available

Table 1.Camel Snus Product Data Listing (as is) (cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Frost	10JUL2013	1	8.80	N/A	N/A	32.37	2.85	26JUL2013
		2	8.83	N/A	N/A	32.88	2.90	26JUL2013
		1	8.64	0.047	0.268	31.87	2.75	12AUG2013
		2	9.02	0.050	0.275	31.37	2.83	12AUG2013
		3	8.90	0.050	0.280	30.39	2.70	12AUG2013
	07AUG2013	1	9.83	N/A	N/A	31.87	3.13	19AUG2013
		2	9.81	N/A	N/A	31.87	3.13	19AUG2013
	10SEP2013	1	10.09	N/A	N/A	30.88	3.12	19SEP2013
		2	10.05	N/A	N/A	29.90	3.01	19SEP2013
	01OCT2013	1	7.83	N/A	N/A	40.34	3.16	23OCT2013
		2	7.90	N/A	N/A	40.89	3.23	23OCT2013
		1	7.98	0.051	0.230	40.34	3.22	11NOV2013
		2	7.96	0.047	0.227	40.34	3.21	11NOV2013
		3	8.10	0.051	0.227	39.23	3.18	11NOV2013
	01NOV2013	1	8.67	N/A	N/A	32.37	2.81	13NOV2013
		2	8.62	N/A	N/A	32.37	2.79	13NOV2013
	02DEC2013	1	9.04	N/A	N/A	29.42	2.66	11DEC2013
		2	9.04	N/A	N/A	28.95	2.62	11DEC2013

N/A= not available

Table 1.Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Frost	07JAN2014	1	9.66	N/A	N/A	30.39	2.94	10JAN2014
		2	9.76	N/A	N/A	30.88	3.01	10JAN2014
		3	9.98	N/A	N/A	30.88	3.08	10JAN2014
		1	9.25	N/A	N/A	31.37	2.90	29JAN2014
		2	9.25	N/A	N/A	31.87	2.95	29JAN2014
	04FEB2014	1	9.47	N/A	N/A	33.90	3.21	20FEB2014
		2	9.50	N/A	N/A	33.90	3.22	20FEB2014
	03MAR2014	1	7.47	N/A	N/A	33.39	2.49	13MAR2014
		2	7.49	N/A	N/A	33.90	2.54	13MAR2014
	07APR2014	1	9.90	N/A	N/A	23.61	2.34	23APR2014
		2	9.90	N/A	N/A	23.61	2.34	23APR2014
		1	9.75	N/A	N/A	24.03	2.34	23APR2014
		2	9.88	N/A	N/A	22.79	2.25	23APR2014
		3	9.75	N/A	N/A	24.03	2.34	23APR2014
	06MAY2014	1	10.41	N/A	N/A	26.19	2.73	14MAY2014
		2	10.43	N/A	N/A	26.19	2.73	14MAY2014
	10JUN2014	1	9.23	N/A	N/A	43.70	4.03	20JUN2014
		2	9.27	N/A	N/A	43.70	4.05	20JUN2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Frost	08JUL2014	1	9.70	N/A	N/A	36.53	3.54	15JUL2014
		2	9.84	N/A	N/A	37.06	3.65	15JUL2014
		3	9.70	N/A	N/A	37.60	3.65	15JUL2014
		1	9.89	N/A	N/A	37.60	3.72	29JUL2014
		2	9.82	N/A	N/A	38.14	3.75	29JUL2014
	06AUG2014	1	11.34	N/A	N/A	34.94	3.96	28AUG2014
		2	11.33	N/A	N/A	34.94	3.96	28AUG2014
	05SEP2014	1	10.40	N/A	N/A	33.90	3.53	26SEP2014
		2	10.34	N/A	N/A	33.39	3.45	26SEP2014
	06OCT2014	1	10.93	N/A	N/A	29.42	3.22	16OCT2014
		2	10.98	N/A	N/A	31.87	3.50	16OCT2014
		3	9.94	N/A	N/A	28.95	2.88	16OCT2014
		1	10.35	N/A	N/A	31.37	3.25	24OCT2014
		2	10.33	N/A	N/A	31.37	3.24	24OCT2014
	11NOV2014	1	11.69	N/A	N/A	39.23	4.59	01DEC2014
		2	11.70	N/A	N/A	40.34	4.72	01DEC2014
	04DEC2014	1	10.85	N/A	N/A	33.90	3.68	10DEC2014
		2	10.79	N/A	N/A	33.90	3.66	10DEC2014

N/A= not available



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			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Frost	12JAN2015	1	11.67	N/A	N/A	27.55	3.21	15JAN2015
		2	11.72	N/A	N/A	27.09	3.17	15JAN2015
		3	11.87	N/A	N/A	27.09	3.22	15JAN2015
		1	11.54	N/A	N/A	31.87	3.68	23JAN2015
		2	11.65	N/A	N/A	31.37	3.65	23JAN2015
	02FEB2015	1	11.58	N/A	N/A	39.23	4.54	12FEB2015
		2	11.58	N/A	N/A	37.60	4.35	12FEB2015
	10MAR2015	1	10.98	N/A	N/A	35.46	3.89	23MAR2015
		2	11.05	N/A	N/A	38.14	4.21	23MAR2015
	06APR2015	1	11.48	N/A	N/A	42.01	4.82	16APR2015
		2	11.35	N/A	N/A	39.78	4.52	16APR2015
		3	11.16	N/A	N/A	40.89	4.56	16APR2015
		1	10.86	N/A	N/A	39.78	4.32	20APR2015
		2	10.90	N/A	N/A	40.89	4.46	20APR2015
	20MAY2015	1	10.04	N/A	N/A	38.69	3.88	19JUN2015
		2	10.05	N/A	N/A	39.23	3.94	19JUN2015
	04JUN2015	1	10.71	N/A	N/A	47.70	5.11	19JUN2015
		2	10.71	N/A	N/A	47.70	5.11	19JUN2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Frost	13JUL2015	1	10.49	N/A	N/A	47.70	5.00	27JUL2015
		2	10.47	N/A	N/A	47.70	4.99	27JUL2015
		1	9.72	N/A	N/A	47.70	4.64	11AUG2015
		2	9.32	N/A	N/A	47.12	4.39	11AUG2015
		3	9.59	N/A	N/A	47.12	4.52	11AUG2015
	04AUG2015	1	10.55	N/A	N/A	42.57	4.49	21AUG2015
		2	10.52	N/A	N/A	41.45	4.36	21AUG2015
	01SEP2015	1	10.41	N/A	N/A	38.69	4.03	24SEP2015
		2	10.41	N/A	N/A	35.99	3.75	24SEP2015
	01OCT2015	1	10.97	N/A	N/A	33.39	3.66	14OCT2015
		2	10.97	N/A	N/A	33.39	3.66	14OCT2015
		1	10.25	N/A	N/A	33.90	3.47	22OCT2015
		2	10.60	N/A	N/A	33.90	3.59	22OCT2015
		3	10.43	N/A	N/A	34.42	3.59	22OCT2015
	16NOV2015	1	10.89	N/A	N/A	34.42	3.75	07DEC2015
		2	10.87	N/A	N/A	33.90	3.68	07DEC2015
	07DEC2015	1	11.04	N/A	N/A	32.37	3.57	16DEC2015
		2	11.05	N/A	N/A	31.87	3.52	16DEC2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					
			Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Frost (Large)	11MAR2013	1	10.60	N/A	N/A	31.87	3.38	23MAR2013
		2	10.71	N/A	N/A	31.37	3.36	23MAR2013
	22APR2013	1	8.75	N/A	N/A	33.90	2.97	29APR2013
		2	8.77	N/A	N/A	33.39	2.93	29APR2013
		1	9.08	0.065	0.285	34.42	3.13	14MAY2013
		2	9.22	0.067	0.299	33.39	3.08	14MAY2013
		3	9.07	0.068	0.298	32.88	2.98	14MAY2013
	28MAY2013	1	8.29	N/A	N/A	32.37	2.68	06JUN2013
		2	8.24	N/A	N/A	31.87	2.63	06JUN2013
	11JUL2013	1	9.35	N/A	N/A	29.42	2.75	26JUL2013
		2	9.42	N/A	N/A	28.95	2.73	26JUL2013
		1	9.62	0.050	0.310	26.64	2.56	12AUG2013
		2	9.56	0.051	0.316	26.64	2.55	12AUG2013
		3	9.65	0.056	0.311	26.19	2.53	12AUG2013
	13AUG2013	1	9.14	N/A	N/A	31.37	2.87	26AUG2013
		2	9.11	N/A	N/A	29.90	2.72	26AUG2013
	03SEP2013	1	8.77	N/A	N/A	38.14	3.35	19SEP2013
		2	8.81	N/A	N/A	36.53	3.22	19SEP2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Frost (Large)	07OCT2013	1	9.25	N/A	N/A	38.14	3.53	23OCT2013
		2	9.24	N/A	N/A	38.69	3.57	23OCT2013
		1	9.34	N/A	N/A	38.14	3.56	31OCT2013
		2	9.30	N/A	N/A	37.60	3.50	31OCT2013
		3	9.42	N/A	N/A	38.69	3.64	31OCT2013
	13DEC2013	1	8.97	N/A	N/A	33.90	3.04	09JAN2014
		2	8.99	N/A	N/A	33.90	3.05	09JAN2014
	09JAN2014	1	10.22	N/A	N/A	24.88	2.54	14JAN2014
		2	10.84	N/A	N/A	24.88	2.70	14JAN2014
		3	10.09	N/A	N/A	25.31	2.55	14JAN2014
		1	9.69	N/A	N/A	25.31	2.45	29JAN2014
		2	9.72	N/A	N/A	25.31	2.46	29JAN2014
	07FEB2014	1	9.08	N/A	N/A	32.88	2.99	20FEB2014
		2	9.11	N/A	N/A	32.88	2.99	20FEB2014
	03MAR2014	1	7.77	N/A	N/A	32.88	2.55	13MAR2014
		2	7.79	N/A	N/A	32.88	2.56	13MAR2014
	01APR2014	1	9.34	N/A	N/A	22.79	2.13	23APR2014
		2	9.30	N/A	N/A	22.79	2.12	23APR2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					
			Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Frost (Large)	01APR2014	1	9.33	N/A	N/A	22.79	2.13	23APR2014
		2	9.54	N/A	N/A	18.99	1.81	23APR2014
		3	9.62	N/A	N/A	22.79	2.19	23APR2014
	14MAY2014	1	11.00	N/A	N/A	27.55	3.03	02JUN2014
		2	10.96	N/A	N/A	27.55	3.02	02JUN2014
	02JUN2014	1	10.15	N/A	N/A	39.78	4.04	20JUN2014
		2	10.16	N/A	N/A	39.23	3.99	20JUN2014
	08JUL2014	1	9.84	N/A	N/A	33.39	3.28	15JUL2014
		2	10.05	N/A	N/A	33.39	3.36	15JUL2014
		3	9.86	N/A	N/A	33.39	3.29	15JUL2014
		1	9.87	N/A	N/A	34.42	3.40	29JUL2014
		2	9.91	N/A	N/A	34.94	3.46	29JUL2014
	05AUG2014	1	11.24	N/A	N/A	31.87	3.58	28AUG2014
		2	11.23	N/A	N/A	30.88	3.47	28AUG2014
	03SEP2014	1	10.93	N/A	N/A	37.60	4.11	26SEP2014
		2	10.95	N/A	N/A	37.60	4.12	26SEP2014
	06OCT2014	1	11.78	N/A	N/A	32.37	3.81	16OCT2014
		2	12.35	N/A	N/A	31.37	3.87	16OCT2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Frost (Large)	06OCT2014	3	12.11	N/A	N/A	31.87	3.86	16OCT2014
		1	10.75	N/A	N/A	33.39	3.59	24OCT2014
		2	10.69	N/A	N/A	33.39	3.57	24OCT2014
	04NOV2014	1	10.64	N/A	N/A	38.14	4.06	14NOV2014
		2	10.66	N/A	N/A	36.53	3.89	14NOV2014
	01DEC2014	1	10.96	N/A	N/A	32.88	3.60	10DEC2014
		2	11.01	N/A	N/A	32.37	3.56	10DEC2014
	08JAN2015	1	11.34	N/A	N/A	29.42	3.34	15JAN2015
		2	11.10	N/A	N/A	28.47	3.16	15JAN2015
		3	10.96	N/A	N/A	27.55	3.02	15JAN2015
		1	10.79	N/A	N/A	28.01	3.02	23JAN2015
		2	10.82	N/A	N/A	27.09	2.93	23JAN2015
	02FEB2015	1	11.59	N/A	N/A	48.85	5.66	12FEB2015
		2	11.61	N/A	N/A	45.98	5.34	12FEB2015
	02MAR2015	1	11.03	N/A	N/A	49.42	5.45	23MAR2015
		2	11.13	N/A	N/A	47.70	5.31	23MAR2015
	01APR2015	1	11.09	N/A	N/A	34.42	3.82	10APR2015
		2	11.13	N/A	N/A	35.46	3.95	10APR2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Frost (Large)	01APR2015	3	11.43	N/A	N/A	33.90	3.87	10APR2015
		1	10.94	N/A	N/A	42.57	4.66	20APR2015
		2	10.86	N/A	N/A	40.89	4.44	20APR2015
	05MAY2015	1	11.49	N/A	N/A	42.01	4.83	22MAY2015
		2	11.61	N/A	N/A	41.45	4.81	22MAY2015
	08JUN2015	1	11.34	N/A	N/A	50.00	5.67	19JUN2015
		2	11.34	N/A	N/A	48.27	5.47	19JUN2015
	06JUL2015	1	10.24	N/A	N/A	29.90	3.06	27JUL2015
		2	10.24	N/A	N/A	28.95	2.96	27JUL2015
		1	9.81	N/A	N/A	39.78	3.90	26AUG2015
		2	9.76	N/A	N/A	39.23	3.83	26AUG2015
		3	9.77	N/A	N/A	37.60	3.67	26AUG2015
	04AUG2015	1	9.61	N/A	N/A	43.14	4.15	21AUG2015
		2	9.58	N/A	N/A	43.14	4.13	21AUG2015
	01SEP2015	1	9.76	N/A	N/A	34.42	3.36	24SEP2015
		2	9.79	N/A	N/A	35.46	3.47	24SEP2015
	01OCT2015	1	11.09	N/A	N/A	26.64	2.95	14OCT2015
		2	11.06	N/A	N/A	26.64	2.95	14OCT2015

N/A= not available



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Frost (Large)	01OCT2015	1	10.85	N/A	N/A	26.64	2.89	21OCT2015
		2	10.78	N/A	N/A	27.09	2.92	21OCT2015
		3	10.24	N/A	N/A	27.09	2.77	21OCT2015
	04NOV2015	1	10.45	N/A	N/A	29.90	3.12	13NOV2015
		2	10.41	N/A	N/A	29.90	3.11	13NOV2015
	01DEC2015	1	10.83	N/A	N/A	37.06	4.01	16DEC2015
Camel Snus Mellow		2	10.79	N/A	N/A	37.06	4.00	16DEC2015
	03JAN2013	1	7.34	N/A	N/A	29.42	2.16	22JAN2013
		2	7.38	N/A	N/A	29.42	2.17	22JAN2013
		1	7.46	0.037	0.199	24.03	1.79	19FEB2013
		2	7.52	0.040	0.199	23.61	1.78	19FEB2013
		3	7.61	0.041	0.198	23.61	1.80	19FEB2013
	06FEB2013	1	9.56	N/A	N/A	26.64	2.55	22FEB2013
		2	9.62	N/A	N/A	26.19	2.52	22FEB2013
	28MAR2013	1	9.79	N/A	N/A	31.87	3.12	18APR2013
		2	9.74	N/A	N/A	34.42	3.35	18APR2013
	01APR2013	1	9.83	N/A	N/A	40.89	4.02	18APR2013
		2	9.85	N/A	N/A	40.89	4.03	18APR2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Mellow	01APR2013	1	10.54	0.066	0.235	31.87	3.36	22APR2013
		2	10.34	0.064	0.234	31.87	3.30	22APR2013
		3	10.03	0.061	0.239	30.88	3.10	22APR2013
	06MAY2013	1	9.20	N/A	N/A	38.69	3.56	21MAY2013
		2	9.16	N/A	N/A	38.14	3.49	21MAY2013
	19JUN2013	1	9.08	N/A	N/A	31.87	2.89	15JUL2013
		2	9.07	N/A	N/A	32.37	2.94	15JUL2013
	15AUG2013	1	8.33	N/A	N/A	29.90	2.49	26AUG2013
		2	8.34	N/A	N/A	30.39	2.53	26AUG2013
		1	8.84	0.045	0.256	30.39	2.69	03SEP2013
		2	8.99	0.045	0.247	30.39	2.73	03SEP2013
		3	8.85	0.047	0.244	30.39	2.69	03SEP2013
	05SEP2013	1	10.05	N/A	N/A	27.55	2.77	19SEP2013
		2	10.11	N/A	N/A	27.55	2.78	19SEP2013
	14OCT2013	1	8.14	N/A	N/A	30.39	2.47	23OCT2013
		2	8.14	N/A	N/A	31.87	2.59	23OCT2013
		1	7.96	N/A	N/A	27.55	2.19	06NOV2013
		2	7.95	N/A	N/A	28.95	2.30	06NOV2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Mellow	14OCT2013	3	7.91	N/A	N/A	28.01	2.21	06NOV2013
	20NOV2013	1	8.34	N/A	N/A	29.42	2.45	04DEC2013
		2	8.38	N/A	N/A	29.90	2.51	04DEC2013
	16DEC2013	1	8.94	N/A	N/A	31.37	2.80	09JAN2014
		2	8.95	N/A	N/A	30.39	2.72	09JAN2014
	13JAN2014	1	9.73	N/A	N/A	28.95	2.82	21JAN2014
		2	9.64	N/A	N/A	28.95	2.79	21JAN2014
		3	9.55	N/A	N/A	28.95	2.76	21JAN2014
		1	8.91	N/A	N/A	28.95	2.58	29JAN2014
		2	8.89	N/A	N/A	28.95	2.57	29JAN2014
	11FEB2014	1	10.04	N/A	N/A	30.88	3.10	20FEB2014
		2	10.06	N/A	N/A	30.88	3.11	20FEB2014
	11MAR2014	1	7.67	N/A	N/A	27.09	2.08	28MAR2014
		2	7.63	N/A	N/A	27.09	2.07	28MAR2014
	01APR2014	1	8.90	N/A	N/A	24.03	2.14	23APR2014
		2	8.91	N/A	N/A	24.03	2.14	23APR2014
		1	8.75	N/A	N/A	23.19	2.03	23APR2014
		2	8.79	N/A	N/A	23.19	2.04	23APR2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Mellow	01APR2014	3	8.78	N/A	N/A	23.19	2.04	23APR2014
	21MAY2014	1	10.21	N/A	N/A	19.71	2.01	02JUN2014
		2	10.23	N/A	N/A	19.71	2.02	02JUN2014
	02JUN2014	1	10.13	N/A	N/A	22.79	2.31	20JUN2014
		2	10.11	N/A	N/A	22.38	2.26	20JUN2014
	23JUL2014	1	9.61	N/A	N/A	31.87	3.06	25AUG2014
		2	9.43	N/A	N/A	31.87	3.00	25AUG2014
		3	8.91	N/A	N/A	32.37	2.88	25AUG2014
		1	9.83	N/A	N/A	N/A	N/A	29SEP2014
		2	9.91	N/A	N/A	N/A	N/A	29SEP2014
		1	9.56	N/A	N/A	N/A	N/A	20OCT2014
		2	9.58	N/A	N/A	N/A	N/A	20OCT2014
	20AUG2014	1	11.15	N/A	N/A	34.94	3.90	22SEP2014
		2	11.21	N/A	N/A	34.42	3.86	22SEP2014
	15SEP2014	1	10.83	N/A	N/A	36.53	3.96	26SEP2014
		2	10.85	N/A	N/A	36.53	3.96	26SEP2014
	01OCT2014	1	11.75	N/A	N/A	22.79	2.68	16OCT2014
		2	11.79	N/A	N/A	25.75	3.04	16OCT2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Mellow	01OCT2014	3	12.15	N/A	N/A	25.31	3.08	16OCT2014
		1	11.00	N/A	N/A	28.95	3.18	24OCT2014
		2	10.97	N/A	N/A	28.01	3.07	24OCT2014
	04NOV2014	1	10.10	N/A	N/A	31.37	3.17	14NOV2014
		2	10.20	N/A	N/A	32.88	3.35	14NOV2014
	08DEC2014	1	10.75	N/A	N/A	32.88	3.53	08JAN2015
		2	10.82	N/A	N/A	32.37	3.50	08JAN2015
	06JAN2015	1	11.22	N/A	N/A	26.64	2.99	09JAN2015
		2	11.53	N/A	N/A	26.64	3.07	09JAN2015
		3	11.29	N/A	N/A	26.64	3.01	09JAN2015
		1	12.13	N/A	N/A	30.39	3.69	23JAN2015
		2	12.10	N/A	N/A	29.42	3.56	23JAN2015
	09FEB2015	1	10.74	N/A	N/A	37.60	4.04	27FEB2015
		2	10.73	N/A	N/A	37.06	3.98	27FEB2015
	04MAR2015	1	10.94	N/A	N/A	40.89	4.47	23MAR2015
		2	10.93	N/A	N/A	42.57	4.65	23MAR2015
	21APR2015	1	12.04	N/A	N/A	38.14	4.59	29APR2015
		2	12.16	N/A	N/A	38.14	4.64	29APR2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Mellow	21APR2015	3	12.04	N/A	N/A	38.69	4.66	29APR2015
		1	12.28	N/A	N/A	38.69	4.75	08MAY2015
		2	12.28	N/A	N/A	38.69	4.75	08MAY2015
	13MAY2015	1	10.99	N/A	N/A	38.69	4.25	22MAY2015
		2	10.99	N/A	N/A	40.34	4.43	22MAY2015
	01JUN2015	1	10.60	N/A	N/A	39.78	4.22	19JUN2015
		2	10.59	N/A	N/A	39.23	4.15	19JUN2015
	06JUL2015	1	11.13	N/A	N/A	29.42	3.27	27JUL2015
		2	11.14	N/A	N/A	28.95	3.22	27JUL2015
		1	10.44	N/A	N/A	40.34	4.21	11AUG2015
		2	10.56	N/A	N/A	40.34	4.26	11AUG2015
		3	10.51	N/A	N/A	39.23	4.12	11AUG2015
	06AUG2015	1	10.09	N/A	N/A	31.87	3.22	21AUG2015
		2	10.17	N/A	N/A	31.37	3.19	21AUG2015
	08SEP2015	1	10.50	N/A	N/A	33.39	3.51	24SEP2015
		2	10.44	N/A	N/A	33.90	3.54	24SEP2015
	12OCT2015	1	10.17	N/A	N/A	28.95	2.94	22OCT2015
		2	10.17	N/A	N/A	28.47	2.90	22OCT2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Mellow	12OCT2015	1	10.31	N/A	N/A	23.19	2.39	02NOV2015
		2	10.33	N/A	N/A	24.03	2.48	02NOV2015
		3	10.24	N/A	N/A	24.88	2.55	02NOV2015
	02NOV2015	1	10.28	N/A	N/A	34.42	3.54	13NOV2015
		2	10.30	N/A	N/A	34.42	3.55	13NOV2015
	01DEC2015	1	10.46	N/A	N/A	32.88	3.44	16DEC2015
		2	10.41	N/A	N/A	31.87	3.32	16DEC2015
Camel Snus Mint	14JAN2013	1	6.68	N/A	N/A	32.37	2.16	01FEB2013
		2	6.68	N/A	N/A	31.37	2.10	01FEB2013
		1	6.89	N/A	N/A	N/A	N/A	03SEP2013
		2	6.88	N/A	N/A	N/A	N/A	03SEP2013
	04FEB2013	1	10.49	N/A	N/A	27.55	2.89	22FEB2013
		2	10.45	N/A	N/A	28.01	2.93	22FEB2013
		1	10.35	N/A	N/A	N/A	N/A	03SEP2013
		2	10.24	N/A	N/A	N/A	N/A	03SEP2013
	05FEB2013	1	11.26	0.054	0.217	25.31	2.85	19FEB2013
		2	11.60	0.054	0.225	24.88	2.89	19FEB2013
		3	11.38	0.057	0.220	24.88	2.83	19FEB2013

N/A= not available



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Mint	20MAR2013	1	8.76	N/A	N/A	39.78	3.49	10APR2013
		2	8.79	N/A	N/A	38.69	3.40	10APR2013
	17APR2013	1	8.23	N/A	N/A	31.87	2.62	10MAY2013
		2	8.26	N/A	N/A	32.37	2.67	10MAY2013
		1	8.65	0.065	0.285	30.39	2.63	14MAY2013
		2	8.66	0.066	0.276	29.90	2.59	14MAY2013
		3	8.66	0.066	0.266	31.37	2.72	14MAY2013
	13MAY2013	1	9.89	N/A	N/A	38.14	3.77	21MAY2013
		2	9.82	N/A	N/A	36.53	3.59	21MAY2013
	03JUN2013	1	9.08	N/A	N/A	35.99	3.27	21JUN2013
		2	9.05	N/A	N/A	35.46	3.21	21JUN2013
	08JUL2013	1	9.42	N/A	N/A	26.64	2.51	15JUL2013
		2	9.40	N/A	N/A	26.19	2.46	15JUL2013
		1	9.73	0.054	0.286	25.31	2.46	12AUG2013
		2	9.80	0.054	0.288	25.31	2.48	12AUG2013
		3	9.98	0.056	0.295	25.31	2.53	12AUG2013
	05AUG2013	1	11.49	N/A	N/A	26.19	3.01	19AUG2013
		2	11.51	N/A	N/A	26.19	3.01	19AUG2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Mint	03SEP2013	1	9.33	N/A	N/A	37.06	3.46	19SEP2013
		2	9.37	N/A	N/A	38.14	3.57	19SEP2013
	19OCT2013	1	9.40	N/A	N/A	24.45	2.30	06NOV2013
		2	9.26	N/A	N/A	23.61	2.19	06NOV2013
		3	9.39	N/A	N/A	24.03	2.26	06NOV2013
		1	10.16	N/A	N/A	24.88	2.53	08NOV2013
		2	10.20	N/A	N/A	25.75	2.63	08NOV2013
	18NOV2013	1	9.24	N/A	N/A	35.99	3.33	04DEC2013
		2	9.22	N/A	N/A	35.46	3.27	04DEC2013
	15JAN2014	1	8.71	N/A	N/A	29.90	2.60	29JAN2014
		2	8.71	N/A	N/A	30.39	2.65	29JAN2014
		1	8.98	N/A	N/A	28.01	2.51	29JAN2014
		2	8.92	N/A	N/A	28.47	2.54	29JAN2014
		3	8.88	N/A	N/A	28.01	2.49	29JAN2014
		1	9.37	N/A	N/A	29.90	2.80	20FEB2014
		2	9.33	N/A	N/A	29.90	2.79	20FEB2014
		1	9.66	N/A	N/A	27.09	2.62	16APR2014
		2	9.63	N/A	N/A	27.09	2.61	16APR2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Mint	30APR2014	1	8.33	N/A	N/A	30.39	2.53	14MAY2014
		2	8.33	N/A	N/A	30.88	2.57	14MAY2014
	01MAY2014	1	8.68	N/A	N/A	31.87	2.77	14MAY2014
		2	8.70	N/A	N/A	32.37	2.82	14MAY2014
		1	8.69	N/A	N/A	31.87	2.77	14MAY2014
		2	8.49	N/A	N/A	32.37	2.75	14MAY2014
		3	8.68	N/A	N/A	32.88	2.85	14MAY2014
		1	10.22	N/A	N/A	29.90	3.06	11JUL2014
	19JUN2014	2	10.19	N/A	N/A	29.90	3.05	11JUL2014
		1	9.19	N/A	N/A	37.60	3.46	25AUG2014
	30JUL2014	2	9.33	N/A	N/A	38.69	3.61	25AUG2014
		3	9.16	N/A	N/A	36.53	3.35	25AUG2014
		1	9.77	N/A	N/A	N/A	N/A	29SEP2014
		2	9.79	N/A	N/A	N/A	N/A	29SEP2014
		1	9.64	N/A	N/A	N/A	N/A	20OCT2014
		2	9.62	N/A	N/A	N/A	N/A	20OCT2014
	01AUG2014	1	9.19	N/A	N/A	N/A	N/A	29SEP2014
		2	9.19	N/A	N/A	N/A	N/A	29SEP2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Mint	01AUG2014	1	9.13	N/A	N/A	N/A	N/A	20OCT2014
		2	9.17	N/A	N/A	N/A	N/A	20OCT2014
	08SEP2014	1	9.20	N/A	N/A	42.01	3.86	26SEP2014
		2	9.23	N/A	N/A	42.01	3.88	26SEP2014
	15OCT2014	1	11.37	N/A	N/A	28.95	3.29	22OCT2014
		2	11.29	N/A	N/A	28.47	3.21	22OCT2014
		3	11.44	N/A	N/A	28.95	3.31	22OCT2014
		1	10.61	N/A	N/A	30.88	3.28	31OCT2014
		2	10.58	N/A	N/A	29.90	3.16	31OCT2014
		1	10.44	N/A	N/A	36.53	3.81	01DEC2014
		2	10.44	N/A	N/A	36.53	3.81	01DEC2014
		1	9.76	N/A	N/A	31.37	3.06	10DEC2014
		2	9.77	N/A	N/A	30.88	3.02	10DEC2014
		1	11.06	N/A	N/A	31.37	3.47	15JAN2015
		2	11.09	N/A	N/A	29.90	3.32	15JAN2015
		3	11.05	N/A	N/A	29.90	3.30	15JAN2015
		1	11.05	N/A	N/A	33.39	3.69	23JAN2015
		2	11.11	N/A	N/A	33.39	3.71	23JAN2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Mint	12FEB2015	1	10.65	N/A	N/A	42.01	4.47	27FEB2015
		2	10.63	N/A	N/A	40.34	4.29	27FEB2015
	03MAR2015	1	10.98	N/A	N/A	46.55	5.11	23MAR2015
		2	11.06	N/A	N/A	45.41	5.02	23MAR2015
	01APR2015	1	10.98	N/A	N/A	43.14	4.74	10APR2015
		2	11.31	N/A	N/A	42.57	4.81	10APR2015
		3	10.86	N/A	N/A	42.01	4.56	10APR2015
		1	11.20	N/A	N/A	43.14	4.83	20APR2015
		2	11.20	N/A	N/A	43.70	4.89	20APR2015
	26MAY2015	1	10.72	N/A	N/A	40.34	4.32	19JUN2015
		2	10.70	N/A	N/A	39.23	4.20	19JUN2015
	24JUN2015	1	10.58	N/A	N/A	54.59	5.78	27JUL2015
		2	10.58	N/A	N/A	52.30	5.53	27JUL2015
	10JUL2015	1	10.86	N/A	N/A	31.87	3.46	31AUG2015
		2	10.81	N/A	N/A	31.87	3.44	31AUG2015
	15JUL2015	1	9.78	N/A	N/A	42.57	4.16	27JUL2015
		2	9.83	N/A	N/A	39.23	3.86	27JUL2015
		1	9.42	N/A	N/A	22.38	2.11	01SEP2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Mint	15JUL2015	2	9.38	N/A	N/A	21.59	2.03	01SEP2015
		3	8.68	N/A	N/A	21.59	1.87	01SEP2015
	02SEP2015	1	9.48	N/A	N/A	39.23	3.72	24SEP2015
		2	9.54	N/A	N/A	38.69	3.69	24SEP2015
	05OCT2015	1	10.53	N/A	N/A	33.39	3.52	14OCT2015
		2	10.47	N/A	N/A	30.88	3.23	14OCT2015
		1	10.17	N/A	N/A	31.87	3.24	22OCT2015
		2	10.42	N/A	N/A	32.37	3.37	22OCT2015
	09NOV2015	3	10.14	N/A	N/A	31.87	3.23	22OCT2015
		1	10.99	N/A	N/A	32.88	3.61	07DEC2015
		2	10.99	N/A	N/A	32.37	3.56	07DEC2015
Camel Snus Robust	28FEB2013	1	9.61	0.052	0.181	28.47	2.74	18MAR2013
		2	9.55	0.053	0.179	28.01	2.67	18MAR2013
		3	9.49	0.051	0.178	28.01	2.66	18MAR2013
		1	8.82	N/A	N/A	28.47	2.51	23MAR2013
	01MAR2013	2	8.82	N/A	N/A	28.01	2.47	23MAR2013
		1	8.80	N/A	N/A	28.01	2.46	23MAR2013
		2	8.85	N/A	N/A	28.01	2.48	23MAR2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Robust	11APR2013	1	9.41	N/A	N/A	30.39	2.86	18APR2013
		2	9.47	N/A	N/A	29.90	2.83	18APR2013
		1	10.12	0.055	0.204	32.37	3.28	30APR2013
		2	9.99	0.049	0.205	30.88	3.08	30APR2013
		3	10.17	0.051	0.200	30.88	3.14	30APR2013
	20MAY2013	1	9.00	N/A	N/A	42.57	3.83	06JUN2013
		2	9.03	N/A	N/A	40.89	3.69	06JUN2013
	07JUN2013	1	8.72	N/A	N/A	34.94	3.05	21JUN2013
		2	8.70	N/A	N/A	35.46	3.09	21JUN2013
	01OCT2013	1	8.60	N/A	N/A	41.45	3.56	23OCT2013
		2	8.59	N/A	N/A	42.01	3.61	23OCT2013
		1	8.96	0.051	0.248	41.45	3.71	11NOV2013
		2	8.95	0.049	0.243	42.01	3.76	11NOV2013
		3	8.70	0.048	0.240	41.45	3.61	11NOV2013
	14NOV2013	1	8.40	N/A	N/A	39.78	3.34	21NOV2013
		2	8.45	N/A	N/A	39.78	3.36	21NOV2013
	27JAN2014	1	8.41	N/A	N/A	31.37	2.64	10FEB2014
		2	8.52	N/A	N/A	31.37	2.67	10FEB2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Robust	27JAN2014	1	8.39	N/A	N/A	29.90	2.51	10FEB2014
		2	8.34	N/A	N/A	29.42	2.45	10FEB2014
		3	8.30	N/A	N/A	29.42	2.44	10FEB2014
	24FEB2014	1	6.14	N/A	N/A	31.37	1.93	13MAR2014
		2	6.12	N/A	N/A	31.37	1.92	13MAR2014
	17MAR2014	1	8.37	N/A	N/A	28.95	2.42	28MAR2014
		2	8.39	N/A	N/A	28.47	2.39	28MAR2014
	14APR2014	1	8.98	N/A	N/A	28.95	2.60	23APR2014
		2	8.97	N/A	N/A	28.95	2.60	23APR2014
		1	8.96	N/A	N/A	30.39	2.72	30APR2014
		2	8.88	N/A	N/A	28.47	2.53	30APR2014
		3	8.89	N/A	N/A	28.01	2.49	30APR2014
	13MAY2014	1	8.56	N/A	N/A	26.64	2.28	02JUN2014
		2	8.52	N/A	N/A	25.31	2.16	02JUN2014
	23JUN2014	1	8.13	N/A	N/A	26.19	2.13	11JUL2014
		2	8.12	N/A	N/A	26.19	2.13	11JUL2014
	28JUL2014	1	9.44	N/A	N/A	28.47	2.69	13AUG2014
		2	9.36	N/A	N/A	27.55	2.58	13AUG2014

N/A= not available



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Robust	28JUL2014	3	9.06	N/A	N/A	26.64	2.41	13AUG2014
		1	9.84	N/A	N/A	N/A	N/A	29SEP2014
		2	9.79	N/A	N/A	N/A	N/A	29SEP2014
		1	9.65	N/A	N/A	N/A	N/A	20OCT2014
		2	9.68	N/A	N/A	N/A	N/A	20OCT2014
	01AUG2014	1	9.35	N/A	N/A	N/A	N/A	29SEP2014
		2	9.39	N/A	N/A	N/A	N/A	29SEP2014
		1	9.26	N/A	N/A	N/A	N/A	20OCT2014
		2	9.28	N/A	N/A	N/A	N/A	20OCT2014
	18SEP2014	1	9.32	N/A	N/A	24.88	2.32	26SEP2014
		2	9.29	N/A	N/A	24.03	2.23	26SEP2014
	22OCT2014	1	9.23	N/A	N/A	32.88	3.03	28OCT2014
		2	9.07	N/A	N/A	32.88	2.98	28OCT2014
		3	9.15	N/A	N/A	32.88	3.01	28OCT2014
		1	8.80	N/A	N/A	33.90	2.98	31OCT2014
		2	8.78	N/A	N/A	35.46	3.11	31OCT2014
	23JAN2015	1	9.79	N/A	N/A	40.89	4.01	04FEB2015
		2	9.59	N/A	N/A	42.57	4.08	04FEB2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Robust	23JAN2015	3	9.37	N/A	N/A	40.89	3.83	04FEB2015
		1	9.85	N/A	N/A	40.34	3.97	12FEB2015
		2	9.92	N/A	N/A	42.57	4.22	12FEB2015
	16FEB2015	1	8.93	N/A	N/A	39.78	3.55	27FEB2015
		2	8.86	N/A	N/A	38.14	3.38	27FEB2015
	09MAR2015	1	8.87	N/A	N/A	38.69	3.43	23MAR2015
		2	8.83	N/A	N/A	35.46	3.13	23MAR2015
	17APR2015	1	11.43	N/A	N/A	41.45	4.74	27APR2015
		2	11.44	N/A	N/A	40.89	4.68	27APR2015
		3	11.16	N/A	N/A	42.01	4.69	27APR2015
		1	11.13	N/A	N/A	41.45	4.61	08MAY2015
		2	11.16	N/A	N/A	39.23	4.38	08MAY2015
	13MAY2015	1	10.47	N/A	N/A	37.60	3.94	19JUN2015
		2	10.43	N/A	N/A	35.99	3.75	19JUN2015
	02JUN2015	1	10.61	N/A	N/A	32.37	3.43	19JUN2015
		2	10.67	N/A	N/A	31.87	3.40	19JUN2015
	20JUL2015	1	9.91	N/A	N/A	39.78	3.94	27JUL2015
		2	9.87	N/A	N/A	39.23	3.87	27JUL2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Robust	20JUL2015	1	9.15	N/A	N/A	27.09	2.48	25SEP2015
		2	9.19	N/A	N/A	26.64	2.45	25SEP2015
		3	9.16	N/A	N/A	26.64	2.44	25SEP2015
	08SEP2015	1	9.56	N/A	N/A	34.42	3.29	24SEP2015
		2	9.54	N/A	N/A	34.94	3.33	24SEP2015
	05OCT2015	1	10.04	N/A	N/A	27.09	2.72	14OCT2015
		2	10.06	N/A	N/A	27.09	2.73	14OCT2015
		1	10.00	N/A	N/A	26.19	2.62	22OCT2015
		2	9.72	N/A	N/A	26.19	2.55	22OCT2015
		3	9.87	N/A	N/A	25.75	2.54	22OCT2015
	02NOV2015	1	10.08	N/A	N/A	37.60	3.79	13NOV2015
		2	10.03	N/A	N/A	37.06	3.72	13NOV2015
Camel Snus Winterchill	14DEC2015	1	9.74	N/A	N/A	28.95	2.82	06JAN2016
		2	9.70	N/A	N/A	29.42	2.85	06JAN2016
	26JAN2013	1	8.76	N/A	N/A	34.94	3.06	13FEB2013
		2	8.76	N/A	N/A	35.46	3.11	13FEB2013
	04FEB2013	1	9.40	0.047	0.243	27.09	2.55	19FEB2013
		2	9.33	0.046	0.217	27.09	2.53	19FEB2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Winterchill	04FEB2013	3	9.38	0.044	0.229	28.01	2.63	19FEB2013
		1	9.76	N/A	N/A	33.39	3.26	22FEB2013
		2	9.72	N/A	N/A	33.90	3.30	22FEB2013
	04MAR2013	1	9.77	N/A	N/A	32.88	3.21	23MAR2013
		2	9.74	N/A	N/A	33.39	3.25	23MAR2013
	01APR2013	1	9.77	N/A	N/A	37.06	3.62	18APR2013
		2	9.83	N/A	N/A	34.94	3.43	18APR2013
		1	10.50	0.070	0.241	28.47	2.99	22APR2013
		2	10.69	0.064	0.247	28.95	3.09	22APR2013
		3	10.72	0.065	0.242	29.42	3.15	22APR2013
	01MAY2013	1	8.06	N/A	N/A	37.06	2.99	10MAY2013
		2	8.09	N/A	N/A	35.46	2.87	10MAY2013
	04JUN2013	1	10.01	N/A	N/A	31.87	3.19	21JUN2013
		2	9.95	N/A	N/A	32.37	3.22	21JUN2013
	08JUL2013	1	8.87	N/A	N/A	33.39	2.96	15JUL2013
		2	8.84	N/A	N/A	33.90	3.00	15JUL2013
		1	9.48	0.057	0.324	32.88	3.12	12AUG2013
		2	8.98	0.051	0.311	32.88	2.95	12AUG2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Winterchill	08JUL2013	3	8.94	0.054	0.336	31.37	2.80	12AUG2013
	05AUG2013	1	8.93	N/A	N/A	29.42	2.63	19AUG2013
		2	8.93	N/A	N/A	28.95	2.58	19AUG2013
	23SEP2013	1	8.61	N/A	N/A	29.90	2.57	02OCT2013
		2	8.65	N/A	N/A	30.39	2.63	02OCT2013
	28OCT2013	1	7.84	N/A	N/A	33.90	2.66	13NOV2013
		2	7.84	N/A	N/A	34.42	2.70	13NOV2013
		1	7.14	N/A	N/A	31.87	2.28	13NOV2013
		2	7.42	N/A	N/A	32.37	2.40	13NOV2013
		3	7.75	N/A	N/A	31.87	2.47	13NOV2013
	01NOV2013	1	9.60	N/A	N/A	33.90	3.25	13NOV2013
		2	9.59	N/A	N/A	33.39	3.20	13NOV2013
	02DEC2013	1	7.78	N/A	N/A	32.37	2.52	11DEC2013
		2	7.76	N/A	N/A	32.37	2.51	11DEC2013
	06JAN2014	1	9.00	N/A	N/A	27.55	2.48	10JAN2014
		2	9.03	N/A	N/A	27.55	2.49	10JAN2014
		3	9.11	N/A	N/A	27.09	2.47	10JAN2014
		1	8.56	N/A	N/A	27.55	2.36	29JAN2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Winterchill	06JAN2014	2	8.55	N/A	N/A	27.09	2.32	29JAN2014
	04FEB2014	1	8.71	N/A	N/A	32.88	2.86	20FEB2014
		2	8.68	N/A	N/A	32.88	2.85	20FEB2014
	11MAR2014	1	7.31	N/A	N/A	32.88	2.40	28MAR2014
		2	7.27	N/A	N/A	32.37	2.35	28MAR2014
	07APR2014	1	8.83	N/A	N/A	23.19	2.05	23APR2014
		2	8.87	N/A	N/A	23.19	2.06	23APR2014
		1	8.69	N/A	N/A	22.79	1.98	23APR2014
		2	8.71	N/A	N/A	22.38	1.95	23APR2014
		3	8.64	N/A	N/A	22.38	1.93	23APR2014
	05MAY2014	1	9.90	N/A	N/A	20.83	2.06	14MAY2014
		2	9.87	N/A	N/A	20.83	2.06	14MAY2014
	06JUN2014	1	9.92	N/A	N/A	27.09	2.69	20JUN2014
		2	9.94	N/A	N/A	27.09	2.69	20JUN2014
	14JUL2014	1	9.33	N/A	N/A	35.46	3.31	24JUL2014
		2	9.26	N/A	N/A	35.46	3.28	24JUL2014
		3	9.24	N/A	N/A	35.99	3.33	24JUL2014
		1	9.31	N/A	N/A	35.99	3.35	29JUL2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Winterchill	14JUL2014	2	9.35	N/A	N/A	35.99	3.37	29JUL2014
	18AUG2014	1	10.00	N/A	N/A	35.99	3.60	22SEP2014
		2	10.14	N/A	N/A	37.60	3.81	22SEP2014
	23SEP2014	1	9.48	N/A	N/A	39.78	3.77	06OCT2014
		2	9.49	N/A	N/A	39.78	3.78	06OCT2014
	01OCT2014	1	9.78	N/A	N/A	28.01	2.74	16OCT2014
		2	9.83	N/A	N/A	29.42	2.89	16OCT2014
		3	9.65	N/A	N/A	29.42	2.84	16OCT2014
		1	9.00	N/A	N/A	31.87	2.87	24OCT2014
		2	9.00	N/A	N/A	32.37	2.91	24OCT2014
	10NOV2014	1	9.18	N/A	N/A	33.90	3.11	01DEC2014
		2	9.18	N/A	N/A	32.37	2.97	01DEC2014
	08DEC2014	1	11.13	N/A	N/A	32.88	3.66	08JAN2015
		2	11.12	N/A	N/A	32.88	3.66	08JAN2015
	06JAN2015	1	9.65	N/A	N/A	33.90	3.27	09JAN2015
		2	9.76	N/A	N/A	34.42	3.36	09JAN2015
		3	9.52	N/A	N/A	33.90	3.23	09JAN2015
		1	10.17	N/A	N/A	38.14	3.88	23JAN2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Specific Alkaloids Analysis					Completed Analysis Date
			Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	
Camel Snus Winterchill	06JAN2015	2	10.14	N/A	N/A	36.53	3.70	23JAN2015
	11FEB2015	1	9.84	N/A	N/A	42.57	4.19	27FEB2015
		2	9.82	N/A	N/A	42.01	4.13	27FEB2015
	23MAR2015	1	10.07	N/A	N/A	47.70	4.80	06APR2015
		2	10.02	N/A	N/A	46.55	4.66	06APR2015
	13APR2015	1	9.88	N/A	N/A	48.27	4.77	17APR2015
		2	10.00	N/A	N/A	45.41	4.54	17APR2015
		3	10.15	N/A	N/A	44.27	4.49	17APR2015
		1	9.82	N/A	N/A	45.41	4.46	20APR2015
		2	9.86	N/A	N/A	43.70	4.31	20APR2015
	19MAY2015	1	10.37	N/A	N/A	33.90	3.52	19JUN2015
		2	10.39	N/A	N/A	33.90	3.52	19JUN2015
	03JUN2015	1	9.77	N/A	N/A	54.02	5.28	19JUN2015
		2	9.80	N/A	N/A	52.88	5.18	19JUN2015
	08JUL2015	1	9.54	N/A	N/A	44.27	4.22	11AUG2015
		2	9.51	N/A	N/A	45.98	4.37	11AUG2015
		3	9.60	N/A	N/A	43.70	4.19	11AUG2015
		1	9.95	N/A	N/A	40.34	4.01	21AUG2015

N/A= not available



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Specific Alkaloids Analysis					
Snus Product	Manufacture Date	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	% Un-ionized (Free) Nicotine	Total Free Nicotine (mg/g)	Completed Analysis Date
Camel Snus Winterchill	08JUL2015	2	9.91	N/A	N/A	40.34	4.00	21AUG2015
	25AUG2015	1	9.22	N/A	N/A	23.19	2.14	31AUG2015
		2	9.24	N/A	N/A	22.79	2.11	31AUG2015
	21SEP2015	1	9.85	N/A	N/A	40.34	3.97	14OCT2015
		2	9.90	N/A	N/A	41.45	4.10	14OCT2015
	12OCT2015	1	9.80	N/A	N/A	38.14	3.74	22OCT2015
		2	9.79	N/A	N/A	37.60	3.68	22OCT2015
		1	9.89	N/A	N/A	28.95	2.86	02NOV2015
		2	9.59	N/A	N/A	28.95	2.78	02NOV2015
		3	9.78	N/A	N/A	29.42	2.88	02NOV2015
	09NOV2015	1	10.86	N/A	N/A	28.95	3.14	07DEC2015
		2	10.94	N/A	N/A	28.47	3.12	07DEC2015
	07DEC2015	1	10.30	N/A	N/A	33.90	3.49	16DEC2015
		2	10.28	N/A	N/A	33.39	3.43	16DEC2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Frost	03JAN2013	1	100.7	386.4	28FEB2013	0.74	28FEB2013
		2	87.7	381.0	28FEB2013	0.77*	28FEB2013
		3	90.5	388.8	28FEB2013	0.79*	28FEB2013
	07JAN2013	1	104.4	372.6	22JAN2013	0.79*	17JAN2013
		2	98.3	367.4	22JAN2013	0.89*	17JAN2013
		3	90.5	371.2	22JAN2013	0.82*	17JAN2013
	03APR2013	1	102.4	368.3	10APR2013	0.80*	11APR2013
		2	82.2	367.8	10APR2013	0.83*	11APR2013
		3	83.3	373.6	10APR2013	0.78*	11APR2013
		1	82.1	387.6	12APR2013	0.89*	13APR2013
		2	85.4	374.0	12APR2013	0.79*	13APR2013
		3	80.1	387.3	12APR2013	0.98*	13APR2013
	10JUL2013	1	94.8	391.4	12AUG2013	0.77*	19JUL2013
		2	101.0	390.5	12AUG2013	0.80*	19JUL2013
		3	87.6	390.7	12AUG2013	0.81*	19JUL2013
		1	86.3	375.0	06SEP2013	0.94*	07AUG2013
		2	99.2	376.0	06SEP2013	0.82*	07AUG2013
		3	96.2	373.9	06SEP2013	0.74	07AUG2013

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Frost	01OCT2013	1	97.4	413.2	14OCT2013	0.87*	23OCT2013
		2	102.3	398.6	14OCT2013	0.84*	23OCT2013
		3	106.6	403.6	14OCT2013	0.83*	23OCT2013
		1	90.3	414.7	15OCT2013	0.98	29OCT2013
		2	86.0	410.9	15OCT2013	0.87*	29OCT2013
		3	102.1	422.2	15OCT2013	0.88*	29OCT2013
	07JAN2014	1	87.4	440.2	16JAN2014	1.01	13JAN2014
		2	79.4	431.4	16JAN2014	0.89	13JAN2014
		3	74.4	438.2	16JAN2014	0.97	13JAN2014
		1	83.0	423.6	23JAN2014	0.88	21JAN2014
		2	74.6	422.3	23JAN2014	0.88	21JAN2014
		3	77.8	427.5	23JAN2014	0.97	21JAN2014
	07APR2014	1	79.8	467.3	11APR2014	1.31	11APR2014
		2	77.3	457.3	11APR2014	1.34	11APR2014
		3	81.9	466.3	11APR2014	1.28	11APR2014
		1	76.7	440.4	14APR2014	1.42	21APR2014
		2	70.1	442.7	14APR2014	1.36	21APR2014
		3	74.7	438.8	14APR2014	1.38	21APR2014

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Frost	08JUL2014	1	65.3	371.5	21JUL2014	1.36	11JUL2014
		2	73.3	374.8	21JUL2014	1.29	11JUL2014
		3	67.5	378.7	21JUL2014	1.35	11JUL2014
		1	69.9	375.4	21JUL2014	1.22	11JUL2014
		2	70.7	403.4	21JUL2014	1.29	11JUL2014
		3	72.2	382.5	21JUL2014	1.31	11JUL2014
	06OCT2014	1	72.4	442.4	16OCT2014	1.27	21OCT2014
		2	69.8	442.9	16OCT2014	1.25	21OCT2014
		3	73.6	452.7	16OCT2014	1.36	21OCT2014
		1	72.7	431.9	17OCT2014	1.71	21OCT2014
		2	76.9	438.8	17OCT2014	1.37	21OCT2014
		3	72.4	439.8	17OCT2014	1.46	21OCT2014
	12JAN2015	1	65.1	400.4	22JAN2015	0.93	27JAN2015
		2	72.2	402.1	22JAN2015	1.06	27JAN2015
		3	58.1	400.1	22JAN2015	0.97	27JAN2015
		1	70.9	405.8	22JAN2015	1.00	27JAN2015
		2	60.5	409.0	22JAN2015	1.12	27JAN2015
		3	58.6	399.0	22JAN2015	1.06	27JAN2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Frost	06APR2015	1	64.0	375.3	16APR2015	0.85*	16APR2015
		2	73.2	380.9	16APR2015	0.82*	16APR2015
		3	66.6	378.5	16APR2015	0.83*	16APR2015
		1	70.9	381.2	17APR2015	0.89	23APR2015
		2	73.0	385.5	17APR2015	0.83	23APR2015
		3	75.3	388.4	17APR2015	0.86	23APR2015
	13JUL2015	1	65.1	384.4	06AUG2015	0.92	05AUG2015
		2	64.1	390.2	06AUG2015	0.87	05AUG2015
		3	80.0	379.0	06AUG2015	0.88	05AUG2015
		1	65.4	396.0	05AUG2015	0.84	11DEC2015
		2	65.3	389.5	05AUG2015	0.83*	11DEC2015
		3	60.4	387.1	05AUG2015	0.88	11DEC2015
	01OCT2015	1	56.1	430.6	23OCT2015	0.96	20OCT2015
		2	58.2	434.6	23OCT2015	0.88	20OCT2015
		3	60.2	418.9	23OCT2015	0.88	20OCT2015
		1	58.0	426.8	22OCT2015	0.88*	23DEC2015
		2	52.4	420.4	22OCT2015	0.85*	23DEC2015
		3	56.6	408.3	22OCT2015	0.90*	23DEC2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Frost (Large)	11MAR2013	1	97.0	394.7	20MAR2013	1.03*	26MAR2013
		2	92.3	393.1	20MAR2013	0.96*	26MAR2013
		3	101.9	394.2	20MAR2013	1.18*	26MAR2013
	22APR2013	1	88.3	386.3	08MAY2013	1.01*	01MAY2013
		2	89.5	388.7	08MAY2013	0.95*	01MAY2013
		3	93.0	378.5	08MAY2013	0.98*	01MAY2013
		1	84.0	371.4	31MAY2013	0.99*	01MAY2013
		2	80.7	377.5	31MAY2013	0.99*	01MAY2013
		3	91.3	392.0	31MAY2013	1.01*	01MAY2013
	11JUL2013	1	92.2	395.2	12AUG2013	1.05*	19JUL2013
		2	91.2	405.5	12AUG2013	1.05*	19JUL2013
		3	95.0	403.1	12AUG2013	1.06*	19JUL2013
		1	90.4	414.4	11SEP2013	0.98*	07AUG2013
		2	95.9	417.7	11SEP2013	1.20*	07AUG2013
		3	88.3	422.7	11SEP2013	1.04*	07AUG2013
	07OCT2013	1	88.1	398.8	14OCT2013	1.00*	23OCT2013
		2	97.4	391.8	14OCT2013	1.00*	23OCT2013
		3	102.6	405.4	14OCT2013	0.90*	23OCT2013

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Frost (Large)	07OCT2013	1	93.3	420.1	18OCT2013	0.93*	29OCT2013
		2	86.6	404.3	18OCT2013	0.94*	29OCT2013
		3	89.4	406.8	18OCT2013	0.97*	29OCT2013
	09JAN2014	1	98.3	446.9	23JAN2014	0.91	21JAN2014
		2	82.2	440.6	23JAN2014	0.91	21JAN2014
		3	80.2	430.7	23JAN2014	0.93	21JAN2014
		1	74.9	458.4	23JAN2014	0.95	24JAN2014
		2	75.4	449.5	23JAN2014	0.99	24JAN2014
		3	79.0	470.0	23JAN2014	0.98	24JAN2014
	01APR2014	1	81.4	467.1	11APR2014	1.35	11APR2014
		2	77.6	481.7	11APR2014	1.39	11APR2014
		3	85.0	460.8	11APR2014	1.38	11APR2014
		1	86.4	482.0	11APR2014	1.39	21APR2014
		2	85.7	466.8	11APR2014	1.38	21APR2014
		3	82.8	441.0	11APR2014	1.43	21APR2014
	08JUL2014	1	76.7	383.1	21JUL2014	1.43	11JUL2014
		2	72.0	383.3	21JUL2014	1.48	11JUL2014
		3	73.6	386.7	21JUL2014	1.40	11JUL2014

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Frost (Large)	08JUL2014	1	66.2	386.9	21JUL2014	1.56	11JUL2014
		2	70.9	409.0	21JUL2014	1.44	11JUL2014
		3	67.2	398.6	21JUL2014	1.34	11JUL2014
	06OCT2014	1	71.7	472.4	16OCT2014	2.49	21OCT2014
		2	71.2	463.1	16OCT2014	1.61	21OCT2014
		3	76.8	451.7	16OCT2014	1.58	21OCT2014
		1	74.5	449.6	17OCT2014	1.45	21OCT2014
		2	79.2	455.4	17OCT2014	1.48	21OCT2014
		3	77.3	441.4	17OCT2014	1.61	21OCT2014
		1	N/A	N/A	N/A	1.52	07NOV2014
		2	N/A	N/A	N/A	1.49	07NOV2014
		3	N/A	N/A	N/A	1.50	07NOV2014
	08JAN2015	1	62.3	405.9	20JAN2015	1.14	15JAN2015
		2	64.4	416.2	20JAN2015	1.17	15JAN2015
		3	60.9	394.3	20JAN2015	1.13	15JAN2015
		1	61.1	397.7	20JAN2015	1.25	15JAN2015
		2	60.7	401.3	20JAN2015	1.15	15JAN2015
		3	67.4	411.5	20JAN2015	0.96	15JAN2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Frost (Large)	01APR2015	1	71.5	413.6	09APR2015	0.98*	08APR2015
		2	68.3	425.3	09APR2015	0.87*	08APR2015
		3	67.1	405.5	09APR2015	0.93	08APR2015
		1	66.5	410.9	09APR2015	0.89*	16APR2015
		2	64.8	412.9	09APR2015	0.80	16APR2015
		3	73.7	424.2	09APR2015	0.79	16APR2015
	06JUL2015	1	72.7	422.2	05AUG2015	1.06	30JUL2015
		2	70.9	415.1	05AUG2015	1.11	30JUL2015
		3	64.1	419.2	05AUG2015	1.07	30JUL2015
		1	72.4	422.7	05AUG2015	1.02*	16DEC2015
		2	70.2	427.5	05AUG2015	1.08*	16DEC2015
		3	72.0	419.7	05AUG2015	1.00*	16DEC2015
	01OCT2015	1	56.9	463.3	23OCT2015	0.95*	20OCT2015
		2	58.9	447.2	23OCT2015	0.99	20OCT2015
		3	58.4	452.0	23OCT2015	1.01	20OCT2015
		1	59.6	443.1	22OCT2015	1.08*	23DEC2015
		2	56.3	457.4	22OCT2015	1.06*	23DEC2015
		3	56.9	443.0	22OCT2015	1.01*	23DEC2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Mellow	03JAN2013	1	98.7	360.7	22JAN2013	0.88	17JAN2013
		2	98.6	364.1	22JAN2013	0.82*	17JAN2013
		3	92.9	366.5	22JAN2013	0.76*	17JAN2013
		1	96.1	377.9	28FEB2013	0.84*	28FEB2013
		2	87.7	366.9	28FEB2013	0.83*	28FEB2013
		3	86.0	371.4	28FEB2013	0.81*	28FEB2013
	01APR2013	1	87.2	376.8	12APR2013	0.81*	07APR2013
		2	92.2	380.1	12APR2013	0.83*	07APR2013
		3	93.2	373.3	12APR2013	0.81*	07APR2013
		1	83.1	365.3	10APR2013	0.80*	11APR2013
		2	81.1	365.5	10APR2013	0.79*	11APR2013
		3	102.1	359.2	10APR2013	0.90*	11APR2013
	15AUG2013	1	80.7	374.5	30AUG2013	0.74*	03SEP2013
		2	80.2	372.3	30AUG2013	0.77*	03SEP2013
		3	95.7	373.0	30AUG2013	0.84*	03SEP2013
		1	90.9	383.9	10SEP2013	0.74*	06SEP2013
		2	84.3	376.5	10SEP2013	0.74*	06SEP2013
		3	91.1	381.6	10SEP2013	0.78*	06SEP2013

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Mellow	14OCT2013	1	100.7	386.1	22OCT2013	0.86*	29OCT2013
		2	101.4	398.5	22OCT2013	0.92*	29OCT2013
		3	91.6	394.1	22OCT2013	0.84*	29OCT2013
		1	87.4	385.1	21OCT2013	0.85	06NOV2013
		2	81.7	390.7	21OCT2013	0.84*	06NOV2013
		3	87.1	388.1	21OCT2013	0.87*	06NOV2013
	13JAN2014	1	81.2	397.0	23JAN2014	1.13	21JAN2014
		2	67.3	392.0	23JAN2014	1.02	21JAN2014
		3	85.0	406.8	23JAN2014	1.09	21JAN2014
		1	97.1	397.4	29JAN2014	1.17	24JAN2014
		2	101.1	399.2	29JAN2014	1.13	24JAN2014
		3	89.7	399.2	29JAN2014	1.19	24JAN2014
	01APR2014	1	86.8	427.7	11APR2014	1.29	11APR2014
		2	76.3	446.4	11APR2014	1.28	11APR2014
		3	70.9	409.8	11APR2014	1.31	11APR2014
		1	81.9	439.3	11APR2014	1.32	21APR2014
		2	77.3	441.7	11APR2014	1.25	21APR2014
		3	78.8	438.1	11APR2014	1.31	21APR2014

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Mellow	23JUL2014	1	70.7	408.9	07AUG2014	1.27	06AUG2014
		2	81.1	412.8	07AUG2014	1.16	06AUG2014
		3	82.0	412.3	07AUG2014	1.07	06AUG2014
		1	82.1	400.8	20AUG2014	1.25	25AUG2014
		2	78.7	419.3	20AUG2014	1.21	25AUG2014
		3	80.8	482.1	20AUG2014	1.25	25AUG2014
	01OCT2014	1	70.7	422.4	16OCT2014	1.19	10OCT2014
		2	69.1	418.2	16OCT2014	1.21	10OCT2014
		3	77.3	423.6	16OCT2014	1.18	10OCT2014
		1	78.1	419.1	17OCT2014	1.33	10OCT2014
		2	71.9	405.7	17OCT2014	1.29	10OCT2014
		3	75.1	420.8	17OCT2014	1.15	10OCT2014
	06JAN2015	1	60.6	400.4	13JAN2015	1.05	15JAN2015
		2	65.2	411.1	13JAN2015	1.07	15JAN2015
		3	64.4	412.7	13JAN2015	1.11	15JAN2015
		1	71.5	394.4	14JAN2015	1.12	15JAN2015
		2	60.1	388.7	14JAN2015	1.05	15JAN2015
		3	55.2	394.2	14JAN2015	1.03	15JAN2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Mellow	21APR2015	1	64.9	401.1	07MAY2015	0.80	08MAY2015
		2	69.5	429.9	07MAY2015	0.82	08MAY2015
		3	69.8	417.3	07MAY2015	0.82	08MAY2015
		1	60.8	402.3	07MAY2015	0.91	07JUL2015
		2	67.2	403.8	07MAY2015	0.85	07JUL2015
		3	60.7	410.1	07MAY2015	0.90	07JUL2015
	06JUL2015	1	73.1	419.0	05AUG2015	0.87	30JUL2015
		2	74.2	406.3	05AUG2015	0.92	30JUL2015
		3	67.8	404.1	05AUG2015	0.94	30JUL2015
		1	73.1	406.7	05AUG2015	0.89	11DEC2015
		2	65.3	406.1	05AUG2015	0.91	11DEC2015
		3	72.0	412.9	05AUG2015	0.93	11DEC2015
	12OCT2015	1	56.3	401.1	23OCT2015	0.83	02NOV2015
		2	57.3	412.1	23OCT2015	0.82	02NOV2015
		3	59.9	406.6	23OCT2015	0.80	02NOV2015
		1	61.2	404.1	22OCT2015	1.03	30DEC2015
		2	62.0	406.6	22OCT2015	0.98	30DEC2015
		3	56.9	413.2	22OCT2015	0.97	30DEC2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Mint	14JAN2013	1	109.3	379.0	24JAN2013	1.07	29JAN2013
		2	97.3	373.6	24JAN2013	0.87*	29JAN2013
		3	97.9	384.7	24JAN2013	0.85*	29JAN2013
	05FEB2013	1	94.1	380.8	28FEB2013	0.83*	28FEB2013
		2	91.1	384.4	28FEB2013	0.76	28FEB2013
		3	80.2	375.3	28FEB2013	0.89*	28FEB2013
	17APR2013	1	86.4	368.9	03JUN2013	0.85*	25APR2013
		2	83.9	375.1	03JUN2013	0.82*	25APR2013
		3	87.5	377.3	03JUN2013	0.81*	25APR2013
		1	97.2	356.9	08MAY2013	0.80*	01MAY2013
		2	84.6	357.3	08MAY2013	0.75*	01MAY2013
		3	93.1	365.3	08MAY2013	0.81*	01MAY2013
	08JUL2013	1	80.8	388.6	12AUG2013	0.86*	19JUL2013
		2	82.4	383.9	12AUG2013	0.82*	19JUL2013
		3	82.1	394.7	12AUG2013	0.84*	19JUL2013
		1	85.9	387.5	06SEP2013	0.79	07AUG2013
		2	80.0	389.4	06SEP2013	0.77*	07AUG2013
		3	89.9	396.8	06SEP2013	0.81*	07AUG2013

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Mint	19OCT2013	1	83.5	409.1	07NOV2013	0.82	31OCT2013
		2	77.4	401.5	07NOV2013	0.86	31OCT2013
		3	83.4	415.5	07NOV2013	0.81*	31OCT2013
		1	82.4	405.2	11NOV2013	0.79*	18NOV2013
		2	83.3	405.5	11NOV2013	0.85*	18NOV2013
		3	83.0	405.6	11NOV2013	0.95	18NOV2013
	15JAN2014	1	91.4	431.2	30JAN2014	1.12	24JAN2014
		2	98.5	441.3	30JAN2014	1.06	24JAN2014
		3	87.5	436.9	30JAN2014	1.00	24JAN2014
		1	82.6	430.8	23JAN2014	0.89	01FEB2014
		2	84.8	439.0	23JAN2014	0.89	01FEB2014
		3	74.3	428.7	23JAN2014	0.93	01FEB2014
	01MAY2014	1	75.4	395.3	20MAY2014	1.18	13MAY2014
		2	83.3	399.6	20MAY2014	1.15	14MAY2014
		3	83.2	395.3	20MAY2014	1.15	14MAY2014
		1	85.8	399.7	16MAY2014	0.96	22MAY2014
		2	83.4	397.9	16MAY2014	0.88	22MAY2014
		3	89.1	397.4	16MAY2014	0.89	22MAY2014

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Mint	30JUL2014	1	83.1	388.9	07AUG2014	1.15	06AUG2014
		2	79.2	378.9	07AUG2014	1.11	06AUG2014
		3	72.3	385.8	07AUG2014	1.17	06AUG2014
		1	74.4	388.2	20AUG2014	1.32	15AUG2014
		2	71.0	388.0	20AUG2014	1.27	15AUG2014
		3	76.8	386.9	20AUG2014	1.13	15AUG2014
	15OCT2014	1	78.0	438.4	30OCT2014	1.36	21OCT2014
		2	75.5	436.3	30OCT2014	1.35	21OCT2014
		3	68.2	435.1	30OCT2014	1.33	21OCT2014
		1	69.1	425.6	30OCT2014	1.36	07NOV2014
		2	66.3	446.1	30OCT2014	1.41	07NOV2014
		3	66.0	443.3	30OCT2014	1.37	07NOV2014
	08JAN2015	1	66.3	385.8	20JAN2015	1.09	15JAN2015
		2	65.4	395.3	20JAN2015	1.17	15JAN2015
		3	63.9	392.0	20JAN2015	1.21	15JAN2015
		1	63.8	390.4	20JAN2015	0.96	15JAN2015
		2	66.3	392.8	20JAN2015	1.15	15JAN2015
		3	70.3	392.1	20JAN2015	1.29	15JAN2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Mint	01APR2015	1	81.5	393.9	09APR2015	0.87	08APR2015
		2	75.2	390.9	09APR2015	0.87	08APR2015
		3	68.4	391.0	09APR2015	0.85	08APR2015
		1	70.0	392.7	09APR2015	0.89	08APR2015
		2	64.8	391.4	09APR2015	0.92	08APR2015
		3	68.5	400.8	09APR2015	0.87	08APR2015
	15JUL2015	4	62.9	N/A	18AUG2015	N/A	N/A
		5	75.4	N/A	18AUG2015	N/A	N/A
		6	58.5	N/A	18AUG2015	N/A	N/A
	05OCT2015	1	72.6	381.0	06AUG2015	0.86	05AUG2015
		2	77.0	386.8	06AUG2015	0.83	05AUG2015
		3	67.9	388.6	06AUG2015	0.86	05AUG2015
		1	N/A	397.8	18AUG2015	0.91	17DEC2015
		2	60.2	377.6	18AUG2015	0.87	17DEC2015
		3	59.9	380.8	18AUG2015	0.90	17DEC2015
		1	61.5	416.4	23OCT2015	0.90	20OCT2015
		2	66.7	435.8	23OCT2015	0.95	20OCT2015
		3	63.2	405.0	23OCT2015	0.94	20OCT2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Mint	05OCT2015	1	59.2	411.1	22OCT2015	0.86*	23DEC2015
		2	63.3	412.5	22OCT2015	0.88*	23DEC2015
		3	54.5	422.2	22OCT2015	0.74*	23DEC2015
Camel Snus Robust	28FEB2013	1	104.1	345.1	20MAR2013	1.03*	08MAR2013
		2	97.9	349.9	20MAR2013	0.90*	08MAR2013
		3	96.6	350.1	20MAR2013	0.99*	08MAR2013
		1	96.9	383.4	11MAR2013	1.04*	11MAR2013
		2	94.1	389.0	11MAR2013	1.01*	11MAR2013
		3	94.9	372.8	11MAR2013	0.97*	11MAR2013
	11APR2013	1	87.3	379.4	16MAY2013	1.02*	20APR2013
		2	89.9	382.4	16MAY2013	0.99*	20APR2013
		3	81.2	370.9	16MAY2013	1.07*	20APR2013
		1	85.0	357.3	08MAY2013	0.95*	03MAY2013
		2	85.5	361.8	08MAY2013	0.93*	03MAY2013
		3	91.9	360.2	08MAY2013	1.02*	03MAY2013
	01OCT2013	1	73.1	357.2	14OCT2013	0.99*	23OCT2013
		2	81.4	355.4	14OCT2013	0.98*	23OCT2013
		3	82.4	354.3	14OCT2013	1.02*	23OCT2013

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Robust	01OCT2013	1	80.3	363.1	15OCT2013	1.01*	29OCT2013
		2	83.7	373.5	15OCT2013	1.00*	29OCT2013
		3	86.7	374.8	15OCT2013	1.01*	29OCT2013
	27JAN2014	1	69.0	444.2	06FEB2014	1.00*	01FEB2014
		2	77.3	432.7	06FEB2014	0.97*	01FEB2014
		3	76.3	440.7	06FEB2014	0.94	01FEB2014
		1	77.9	424.8	05FEB2014	0.98*	04FEB2014
		2	71.6	433.2	05FEB2014	0.99*	04FEB2014
		3	77.6	440.8	05FEB2014	0.94*	04FEB2014
	14APR2014	1	84.1	426.6	23APR2014	1.26	22APR2014
		2	82.1	424.5	23APR2014	1.26	22APR2014
		3	76.4	402.0	23APR2014	1.30	22APR2014
		1	89.8	433.7	22APR2014	1.20	24APR2014
		2	85.0	427.7	22APR2014	1.22	24APR2014
		3	86.6	420.5	22APR2014	1.28	24APR2014
	28JUL2014	1	73.9	390.1	07AUG2014	1.02	06AUG2014
		2	72.9	376.6	07AUG2014	1.24	06AUG2014
		3	70.9	383.6	07AUG2014	1.17	06AUG2014

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Robust	28JUL2014	1	63.9	399.0	11AUG2014	1.12	06AUG2014
		2	75.5	398.1	11AUG2014	1.16	06AUG2014
		3	89.9	401.7	11AUG2014	1.10	06AUG2014
	22OCT2014	1	63.1	367.5	10NOV2014	1.63	31OCT2014
		2	65.3	375.7	10NOV2014	1.51	31OCT2014
		3	63.9	371.0	10NOV2014	1.64	31OCT2014
	23JAN2015	1	67.1	434.0	10NOV2014	1.32	07NOV2014
		2	70.1	438.7	10NOV2014	1.23	07NOV2014
		3	64.8	433.7	10NOV2014	1.24	07NOV2014
		1	81.8	382.7	12FEB2015	1.08	30JAN2015
		2	81.0	404.0	12FEB2015	1.00	30JAN2015
		3	78.3	403.3	12FEB2015	1.15	30JAN2015
	17APR2015	1	65.6	411.6	30JAN2015	0.99	04MAR2015
		2	69.5	417.7	30JAN2015	1.03	04MAR2015
		3	71.7	414.9	30JAN2015	1.02	04MAR2015
		1	64.7	370.1	24APR2015	0.99	23APR2015
		2	67.6	361.1	24APR2015	0.95	23APR2015
		3	61.8	360.1	24APR2015	0.98	23APR2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Robust	17APR2015	1	67.2	365.4	24APR2015	1.03*	07JUL2015
		2	63.3	361.8	24APR2015	1.04*	07JUL2015
		3	68.2	374.5	24APR2015	1.04*	07JUL2015
	20JUL2015	1	69.6	381.6	06AUG2015	1.00*	05AUG2015
		2	73.3	378.7	06AUG2015	0.92*	05AUG2015
		3	64.3	385.5	06AUG2015	0.97*	05AUG2015
		1	65.4	399.1	24AUG2015	1.06*	18DEC2015
		2	63.6	406.8	24AUG2015	1.07*	18DEC2015
		3	58.7	388.9	24AUG2015	1.05*	18DEC2015
	05OCT2015	1	61.2	409.1	23OCT2015	1.05	20OCT2015
		2	55.0	380.5	23OCT2015	0.77	20OCT2015
		3	55.9	398.4	23OCT2015	0.79	20OCT2015
		1	51.7	358.4	22OCT2015	1.00*	23DEC2015
		2	57.3	369.3	22OCT2015	1.12*	23DEC2015
		3	66.6	392.3	22OCT2015	1.02*	23DEC2015
Camel Snus Winterchill	26JAN2013	1	93.5	391.9	14FEB2013	1.07*	07FEB2013
		2	92.8	390.7	14FEB2013	1.00*	07FEB2013
		3	95.7	395.2	14FEB2013	1.17*	07FEB2013

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Winterchill	04FEB2013	1	80.9	343.3	28FEB2013	1.01*	28FEB2013
		2	88.5	343.7	28FEB2013	1.03*	28FEB2013
		3	78.9	338.6	28FEB2013	1.08*	28FEB2013
	01APR2013	1	91.5	375.5	12APR2013	0.97*	07APR2013
		2	84.8	362.5	12APR2013	1.02*	07APR2013
		3	83.3	390.9	12APR2013	1.03*	07APR2013
		1	89.3	377.5	10APR2013	1.07*	11APR2013
		2	90.0	378.3	10APR2013	1.05*	11APR2013
		3	85.4	378.7	10APR2013	1.00*	11APR2013
	08JUL2013	1	90.8	367.4	12AUG2013	1.01*	19JUL2013
		2	91.2	375.5	12AUG2013	1.02*	19JUL2013
		3	85.3	381.3	12AUG2013	1.08*	19JUL2013
		1	101.6	383.0	06SEP2013	0.96*	07AUG2013
		2	83.6	372.5	06SEP2013	1.00*	07AUG2013
		3	102.0	370.3	06SEP2013	0.98*	07AUG2013
	28OCT2013	1	83.0	372.1	07NOV2013	0.94*	06NOV2013
		2	81.1	355.9	07NOV2013	0.95*	06NOV2013
		3	81.3	363.8	07NOV2013	0.93*	06NOV2013

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Winterchill	28OCT2013	1	85.9	352.1	11NOV2013	1.02*	13NOV2013
		2	83.7	364.4	11NOV2013	0.98*	13NOV2013
		3	85.1	365.5	11NOV2013	0.99*	13NOV2013
	06JAN2014	1	82.2	431.7	16JAN2014	1.06	13JAN2014
		2	72.5	432.2	16JAN2014	1.01*	13JAN2014
		3	75.9	439.5	16JAN2014	0.99*	13JAN2014
		1	74.2	432.2	23JAN2014	0.91	21JAN2014
		2	80.1	427.5	23JAN2014	1.00	21JAN2014
		3	75.3	410.9	23JAN2014	0.92	21JAN2014
	07APR2014	1	69.3	443.7	11APR2014	1.37	11APR2014
		2	76.4	450.0	11APR2014	1.31	11APR2014
		3	78.4	455.8	11APR2014	1.34	11APR2014
		1	61.9	441.5	14APR2014	1.36	21APR2014
		2	85.7	461.2	14APR2014	1.35	21APR2014
		3	76.5	463.6	14APR2014	1.41	21APR2014
	14JUL2014	1	74.4	398.4	22JUL2014	1.40	17JUL2014
		2	78.7	398.2	22JUL2014	1.38	17JUL2014
		3	81.4	383.3	22JUL2014	1.42	17JUL2014

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Winterchill	14JUL2014	1	77.7	384.1	22JUL2014	1.42	17JUL2014
		2	86.1	378.5	22JUL2014	1.42	17JUL2014
		3	85.7	377.9	22JUL2014	1.43	17JUL2014
	01OCT2014	1	70.8	433.6	16OCT2014	1.14	10OCT2014
		2	65.3	413.0	16OCT2014	1.23	10OCT2014
		3	70.9	433.1	16OCT2014	1.16	10OCT2014
		1	74.0	435.6	17OCT2014	1.27	10OCT2014
		2	70.6	435.2	17OCT2014	1.14	10OCT2014
		3	70.8	421.4	17OCT2014	1.18	10OCT2014
	06JAN2015	1	61.5	396.4	13JAN2015	1.12	15JAN2015
		2	55.6	386.8	13JAN2015	1.10	15JAN2015
		3	63.7	401.0	13JAN2015	1.12	15JAN2015
		1	55.8	370.8	14JAN2015	1.10	15JAN2015
		2	54.5	394.3	14JAN2015	1.13	15JAN2015
		3	54.6	393.8	14JAN2015	1.19	15JAN2015
	13APR2015	1	77.1	390.8	21APR2015	0.94*	23APR2015
		2	62.7	375.3	21APR2015	0.79	23APR2015
		3	67.6	388.2	21APR2015	0.97*	23APR2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Metals Analysis			Benzo(a)pyrene Analysis	
			Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Snus Winterchill	13APR2015	1	62.7	365.6	21APR2015	0.91	07JUL2015
		2	69.9	371.4	21APR2015	0.93*	07JUL2015
		3	65.3	380.7	21APR2015	0.92*	07JUL2015
	08JUL2015	1	70.2	385.0	05AUG2015	1.01	30JUL2015
		2	65.6	382.1	05AUG2015	0.95	30JUL2015
		3	67.4	373.5	05AUG2015	0.98*	30JUL2015
		1	63.8	373.1	05AUG2015	1.02*	11DEC2015
		2	67.1	371.4	05AUG2015	0.98*	11DEC2015
		3	63.5	377.2	05AUG2015	1.02*	11DEC2015
	12OCT2015	1	61.0	413.8	23OCT2015	0.98*	02NOV2015
		2	48.6	419.6	23OCT2015	1.00*	02NOV2015
		3	47.3	406.8	23OCT2015	1.06*	02NOV2015
		1	52.6	415.5	22OCT2015	1.19	30DEC2015
		2	57.5	414.5	22OCT2015	1.15	30DEC2015
		3	59.7	408.2	22OCT2015	1.12	30DEC2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Frost	03JAN2013	1	55.3	257	353	1040	16FEB2013
		2	97.0	464	506	1430	16FEB2013
		3	53.3	246	316	887	16FEB2013
		1	56.9	272	346	980	21FEB2013
		2	67.4	311	410	1180	21FEB2013
		3	52.3	246	324	911	21FEB2013
	07JAN2013	1	96.4	474	503	1430	24JAN2013
		2	100.0	466	520	1490	24JAN2013
		3	83.8	388	455	1280	24JAN2013
	03APR2013	1	82.4	478	573	1290	09APR2013
		2	79.8	460	580	1260	09APR2013
		3	84.9	430	564	1260	09APR2013
		1	83.3	478	565	1250	11APR2013
		2	84.6	467	574	1230	11APR2013
		3	82.2	440	576	1210	11APR2013
	10JUL2013	1	48.1	351	234	924	25JUL2013
		2	49.5	351	236	960	25JUL2013
		3	44.8	309	229	864	25JUL2013

NNN = N'nitrosornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Tobacco Specific Nitrosamines Analysis				
Snus Product	Manufacture Date	Replicate	NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	Completed Analysis Date
Camel Snus Frost	10JUL2013	1	48.3	357	237	889	05OCT2013
		2	47.7	323	224	894	05OCT2013
		3	47.3	342	216	883	05OCT2013
	01OCT2013	1	48.9	334	325	948	15OCT2013
		2	48.6	335	320	956	15OCT2013
		3	48.3	332	320	948	15OCT2013
		1	47.0	315	313	927	16OCT2013
		2	48.9	347	320	951	16OCT2013
		3	48.2	328	320	952	16OCT2013
	07JAN2014	1	51.1	441	312	1150	22JAN2014
		2	52.5	402	312	1140	22JAN2014
		3	51.3	405	318	1160	22JAN2014
		1	51.7	410	314	1040	18FEB2014
		2	50.5	398	304	996	18FEB2014
		3	53.8	411	309	1030	18FEB2014
	07APR2014	1	57.7	426	350	1180	15APR2014
		2	55.6	461	339	1170	15APR2014
		3	54.8	435	332	1210	15APR2014

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Frost	07APR2014	1	55.6	464	330	1170	15APR2014
		2	54.2	444	338	1200	15APR2014
		3	58.5	448	330	1200	15APR2014
	08JUL2014	1	81.5	483	533	1240	22JUL2014
		2	84.5	508	546	1300	22JUL2014
		3	79.3	490	553	1230	22JUL2014
		1	77.7	455	540	1220	23JUL2014
		2	75.5	465	536	1260	23JUL2014
		3	79.9	462	517	1230	23JUL2014
	06OCT2014	1	45.9	453	213	1000	24OCT2014
		2	46.3	467	200	1030	24OCT2014
		3	48.2	445	203	990	24OCT2014
		1	52.4	509	219	1160	16FEB2015
		2	51.3	527	222	1160	16FEB2015
		3	52.7	513	207	1200	16FEB2015
	12JAN2015	1	38.4	386	259	966	30JAN2015
		2	43.3	417	259	985	30JAN2015
		3	39.1	412	268	999	30JAN2015

NNN = N'nitrosonor nicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Tobacco Specific Nitrosamines Analysis				
Snus Product	Manufacture Date	Replicate	NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	Completed Analysis Date
Camel Snus Frost	12JAN2015	1	32.6	336	216	943	23MAR2015
		2	33.4	349	222	970	23MAR2015
		3	40.4	392	246	1080	23MAR2015
	06APR2015	1	48.9	455	274	1220	13APR2015
		2	54.6	460	283	1400	13APR2015
		3	38.5	364	244	1120	13APR2015
		1	22.4	207	143	661	13APR2015
		2	48.3	483	291	1260	13APR2015
		3	30.9	275	183	904	13APR2015
		1	45.7	462	281	1280	17APR2015
		2	48.2	466	279	1290	17APR2015
		3	41.7	407	254	1190	17APR2015
	13JUL2015	1	44.0	397	298	1330	29JUL2015
		2	47.3	438	304	1310	29JUL2015
		3	48.4	412	316	1330	29JUL2015
		1	49.0	432	279	1250	03FEB2016
		2	52.7	439	270	1180	03FEB2016
		3	46.4	475	288	1280	03FEB2016

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Tobacco Specific Nitrosamines Analysis				
Snus Product	Manufacture Date	Replicate	NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	Completed Analysis Date
Camel Snus Frost	01OCT2015	1	42.5	356	216	1170	22OCT2015
		2	47.5	393	242	1260	22OCT2015
		3	31.3	270	207	1040	22OCT2015
		1	38.9	320	186	949	03FEB2016
		2	42.2	363	223	1030	03FEB2016
		3	38.8	317	205	964	03FEB2016
Camel Snus Frost (Large)	11MAR2013	1	91.5	464	540	1470	23MAR2013
		2	88.2	458	531	1460	23MAR2013
		3	89.6	425	540	1490	23MAR2013
	22APR2013	1	85.0	469	478	1350	30APR2013
		2	84.0	437	483	1340	30APR2013
		3	82.9	474	474	1370	30APR2013
		1	83.3	440	474	1300	02MAY2013
		2	82.5	406	480	1310	02MAY2013
		3	75.6	372	465	1320	02MAY2013
	11JUL2013	1	48.8	338	230	942	25JUL2013
		2	48.7	340	225	940	25JUL2013
		3	51.6	348	233	929	25JUL2013

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Frost (Large)	11JUL2013	1	48.6	351	219	911	05OCT2013
		2	48.3	342	213	905	05OCT2013
		3	47.5	351	221	905	05OCT2013
	07OCT2013	1	49.4	357	330	975	17OCT2013
		2	49.1	354	317	1000	17OCT2013
		3	46.3	338	316	982	17OCT2013
	09JAN2014	1	46.7	323	317	990	25OCT2013
		2	45.2	323	317	973	25OCT2013
		3	45.7	340	309	950	25OCT2013
		1	50.8	348	310	1100	22JAN2014
		2	51.2	359	326	1070	22JAN2014
		3	51.8	340	317	1070	22JAN2014
	01APR2014	1	50.4	364	302	973	21FEB2014
		2	49.1	374	284	964	21FEB2014
		3	48.7	363	285	965	21FEB2014
		1	60.3	398	359	1250	08APR2014
		2	61.6	421	353	1270	08APR2014
		3	62.3	414	341	1290	08APR2014

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Tobacco Specific Nitrosamines Analysis				
Snus Product	Manufacture Date	Replicate	NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	Completed Analysis Date
Camel Snus Frost (Large)	01APR2014	1	60.7	334	419	1280	10APR2014
		2	60.3	312	420	1270	10APR2014
		3	57.7	319	420	1290	10APR2014
	08JUL2014	1	89.4	515	552	1340	22JUL2014
		2	85.1	498	565	1300	22JUL2014
		3	83.8	501	568	1270	22JUL2014
		1	81.7	492	567	1290	23JUL2014
		2	81.9	504	560	1290	23JUL2014
		3	82.9	488	564	1300	23JUL2014
	06OCT2014	1	50.3	456	200	1050	24OCT2014
		2	50.3	449	196	1060	24OCT2014
		3	50.0	475	191	1010	24OCT2014
		1	50.7	493	188	1160	16FEB2015
		2	47.2	446	185	1070	16FEB2015
		3	51.0	487	203	1140	16FEB2015
	08JAN2015	1	43.4	415	285	1170	27JAN2015
		2	44.0	431	287	1160	27JAN2015
		3	45.5	440	303	1170	27JAN2015

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Frost (Large)	08JAN2015	1	43.3	455	268	1200	23MAR2015
		2	37.7	366	263	1120	23MAR2015
		3	38.1	381	257	1120	23MAR2015
	01APR2015	1	53.8	468	275	1330	08APR2015
		2	59.8	531	324	1440	08APR2015
		3	56.3	502	301	1390	08APR2015
		1	52.5	487	286	1350	08APR2015
		2	34.0	274	204	957	08APR2015
		3	52.1	480	283	1320	08APR2015
		4	50.1	401	229	1220	05NOV2015
		5	49.3	396	256	1240	05NOV2015
		6	47.2	397	238	1230	05NOV2015
	06JUL2015	1	51.8	453	328	1360	24JUL2015
		2	50.6	450	334	1400	24JUL2015
		3	50.2	429	318	1370	24JUL2015
		1	48.8	445	285	1310	03FEB2016
		2	51.5	440	273	1320	03FEB2016
		3	52.0	422	289	1320	03FEB2016

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Frost (Large)	01OCT2015	1	46.5	351	243	1210	22OCT2015
		2	43.6	366	241	1210	22OCT2015
		3	57.4	482	357	1660	22OCT2015
		1	42.4	355	220	1090	03FEB2016
		2	41.2	347	220	1070	03FEB2016
		3	40.3	331	215	1060	03FEB2016
Camel Snus Mellow	03JAN2013	1	90.6	394	494	1250	24JAN2013
		2	84.3	389	493	1250	24JAN2013
		3	83.0	392	480	1250	24JAN2013
		1	84.6	388	458	1250	16FEB2013
		2	82.8	416	459	1200	16FEB2013
		3	82.1	400	461	1210	16FEB2013
	01APR2013	1	70.8	436	515	1190	06APR2013
		2	74.8	440	523	1210	06APR2013
		3	75.6	437	526	1200	06APR2013
		1	72.6	448	516	1210	11APR2013
		2	75.8	461	508	1190	11APR2013
		3	75.0	459	511	1230	11APR2013

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Mellow	15AUG2013	1	45.3	320	226	942	31AUG2013
		2	47.0	328	211	972	31AUG2013
		3	35.8	255	182	875	31AUG2013
		1	47.3	338	211	920	07OCT2013
		2	45.9	351	222	913	07OCT2013
		3	46.7	323	209	898	07OCT2013
	14OCT2013	1	43.5	317	246	911	25OCT2013
		2	44.2	321	248	927	25OCT2013
		3	44.7	343	247	934	25OCT2013
		1	48.9	316	248	949	22NOV2013
		2	48.2	315	246	944	22NOV2013
		3	50.1	323	251	975	22NOV2013
	13JAN2014	1	55.5	387	356	1050	23JAN2014
		2	53.1	399	376	1050	23JAN2014
		3	56.5	390	378	1090	23JAN2014
		1	52.1	415	362	998	21FEB2014
		2	49.4	417	380	992	21FEB2014
		3	49.5	430	355	1010	21FEB2014

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Tobacco Specific Nitrosamines Analysis				
Snus Product	Manufacture Date	Replicate	NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	Completed Analysis Date
Camel Snus Mellow	01APR2014	1	59.5	403	359	1230	08APR2014
		2	61.9	427	325	1210	08APR2014
		3	60.6	419	315	1210	08APR2014
		1	60.2	427	345	1260	10APR2014
		2	60.0	411	337	1240	10APR2014
		3	62.9	443	347	1300	10APR2014
	23JUL2014	1	70.8	364	461	1260	13AUG2014
		2	65.1	360	460	1240	13AUG2014
		3	62.8	338	447	1200	13AUG2014
		1	74.8	461	548	1270	22AUG2014
		2	73.7	461	511	1250	22AUG2014
		3	76.2	497	551	1280	22AUG2014
	01OCT2014	1	45.5	511	189	993	20OCT2014
		2	45.8	522	184	974	20OCT2014
		3	47.5	489	186	995	20OCT2014
		1	48.6	491	191	1100	16FEB2015
		2	50.3	477	192	1090	16FEB2015
		3	52.2	499	200	1120	16FEB2015

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Mellow	06JAN2015	1	48.7	466	255	1090	27JAN2015
		2	47.6	467	268	1100	27JAN2015
		3	39.5	389	235	980	27JAN2015
		1	53.0	467	254	1130	24MAR2015
		2	54.1	521	251	1130	24MAR2015
		3	52.8	499	268	1160	24MAR2015
	21APR2015	1	49.4	467	258	1290	29APR2015
		2	49.0	461	263	1180	29APR2015
		3	48.0	438	257	1190	29APR2015
		1	45.8	427	247	1180	29APR2015
		2	46.5	433	255	1220	29APR2015
		3	49.3	454	253	1170	29APR2015
	06JUL2015	1	40.7	378	215	998	24JUL2015
		2	41.9	364	207	1050	24JUL2015
		3	38.1	334	199	957	24JUL2015
		1	48.0	379	193	930	03FEB2016
		2	43.6	366	196	902	03FEB2016
		3	46.0	364	195	911	03FEB2016

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Mellow	12OCT2015	1	42.2	354	231	1020	07NOV2015
		2	41.8	341	222	1030	07NOV2015
		3	41.0	345	227	994	07NOV2015
		1	36.2	311	211	934	03FEB2016
		2	41.9	349	205	977	03FEB2016
		3	40.0	347	204	907	03FEB2016
Camel Snus Mint	14JAN2013	1	80.0	425	469	1250	30JAN2013
		2	81.3	412	468	1280	30JAN2013
		3	81.2	418	468	1240	30JAN2013
	05FEB2013	1	77.2	391	419	1260	16FEB2013
		2	97.7	493	484	1520	16FEB2013
		3	98.0	492	510	1450	16FEB2013
	17APR2013	1	82.0	373	526	1340	24APR2013
		2	91.5	418	538	1430	24APR2013
		3	95.8	444	589	1460	24APR2013
		1	90.9	399	562	1370	30APR2013
		2	87.4	388	540	1360	30APR2013
		3	80.1	362	506	1300	30APR2013

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Mint	08JUL2013	1	114.0	426	485	1980	25JUL2013
		2	109.0	416	476	1910	25JUL2013
		3	121.0	444	486	1950	25JUL2013
		1	141.0	479	512	2030	05OCT2013
		2	141.0	488	511	2020	05OCT2013
		3	140.0	490	513	2040	05OCT2013
		1	138.0	463	465	1930	24JAN2014
		2	125.0	442	473	1920	24JAN2014
		3	131.0	452	481	1890	24JAN2014
	19OCT2013	1	47.4	338	211	953	09NOV2013
		2	47.9	337	211	935	09NOV2013
		3	48.1	344	214	944	09NOV2013
		1	47.5	344	215	951	11DEC2013
		2	50.6	346	212	961	11DEC2013
		3	47.7	340	213	976	11DEC2013
	15JAN2014	1	50.9	326	282	947	23JAN2014
		2	49.4	328	305	953	23JAN2014
		3	45.5	331	282	975	23JAN2014

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Mint	15JAN2014	1	47.2	347	277	979	26FEB2014
		2	42.2	318	267	913	26FEB2014
		3	37.8	282	243	869	26FEB2014
	01MAY2014	1	50.1	360	318	1160	13MAY2014
		2	47.8	355	321	1160	13MAY2014
		3	39.9	269	283	1010	13MAY2014
		1	50.6	357	332	1060	15MAY2014
		2	48.8	354	328	1100	15MAY2014
		3	50.8	362	338	1080	15MAY2014
	30JUL2014	1	86.0	490	539	1360	21AUG2014
		2	87.4	472	529	1350	21AUG2014
		3	87.0	456	546	1330	21AUG2014
		1	87.6	501	545	1460	12SEP2014
		2	91.0	501	528	1470	12SEP2014
		3	91.0	510	561	1480	12SEP2014
	15OCT2014	1	72.7	546	424	1480	12NOV2014
		2	71.6	554	460	1470	14NOV2014
		3	72.4	547	448	1460	14NOV2014

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Mint	15OCT2014	1	75.4	526	455	1580	24FEB2015
		2	83.8	515	461	1610	24FEB2015
		3	76.9	554	446	1590	24FEB2015
	08JAN2015	1	39.1	385	176	937	27JAN2015
		2	36.7	372	169	864	27JAN2015
		3	38.0	386	162	933	27JAN2015
		1	38.3	395	156	925	23MAR2015
		2	38.9	398	165	927	23MAR2015
		3	26.6	255	130	794	23MAR2015
	01APR2015	1	36.1	356	272	1140	08APR2015
		2	44.0	451	274	1240	08APR2015
		3	37.2	400	258	1240	08APR2015
		1	39.9	397	272	1230	08APR2015
		2	36.8	387	264	1170	08APR2015
		4	42.6	390	256	1180	05NOV2015
		5	44.3	398	272	1160	05NOV2015
		6	41.5	377	261	1120	05NOV2015
	15JUL2015	1	42.2	364	229	994	04AUG2015

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Mint	15JUL2015	2	44.7	357	225	961	04AUG2015
		3	40.7	370	215	986	04AUG2015
		1	56.7	484	350	1410	03FEB2016
		2	54.3	461	353	1370	03FEB2016
		3	58.9	462	356	1430	03FEB2016
		1	46.5	421	238	1170	28OCT2015
	05OCT2015	2	46.1	428	238	1190	28OCT2015
		3	45.0	397	245	1220	28OCT2015
		1	40.4	342	220	1060	03FEB2016
		2	41.9	380	216	1020	03FEB2016
		3	41.2	347	225	1020	03FEB2016
Camel Snus Robust	28FEB2013	1	93.2	384	483	1320	14MAR2013
		2	90.5	377	471	1260	14MAR2013
		3	86.9	374	460	1290	14MAR2013
		1	88.9	380	460	1250	18MAR2013
		2	82.4	367	460	1260	18MAR2013
		3	88.1	372	459	1260	18MAR2013
	11APR2013	1	77.0	418	519	1200	24APR2013

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Robust	11APR2013	2	77.4	449	516	1220	24APR2013
		3	73.9	401	527	1180	24APR2013
		1	74.8	424	529	1150	27APR2013
		2	79.1	394	535	1150	27APR2013
		3	77.7	445	525	1170	27APR2013
	01OCT2013	1	47.0	322	228	895	15OCT2013
		2	45.2	337	228	869	15OCT2013
		3	43.9	325	227	889	15OCT2013
		1	46.1	335	223	892	16OCT2013
		2	45.6	331	226	924	16OCT2013
		3	46.3	339	225	892	16OCT2013
	27JAN2014	1	39.0	307	288	823	06FEB2014
		2	40.5	302	281	830	06FEB2014
		3	43.4	308	292	810	06FEB2014
		1	39.4	297	311	814	15MAR2014
		2	43.4	311	300	819	15MAR2014
		3	38.3	269	279	776	15MAR2014
	14APR2014	1	48.1	348	298	982	21APR2014

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Robust	14APR2014	2	47.4	351	289	955	21APR2014
		3	48.0	353	300	980	21APR2014
		1	47.0	332	317	944	23APR2014
		2	47.6	321	314	960	23APR2014
		3	44.5	308	304	935	23APR2014
	28JUL2014	1	46.6	311	308	918	13AUG2014
		2	46.9	318	312	902	13AUG2014
		3	45.4	337	308	930	13AUG2014
		1	44.4	354	305	905	13AUG2014
		2	47.0	332	309	938	13AUG2014
		3	47.9	344	311	916	13AUG2014
	22OCT2014	1	61.8	481	499	1270	14NOV2014
		2	66.1	496	505	1250	14NOV2014
		3	69.8	495	518	1270	14NOV2014
		1	77.6	443	506	1380	25FEB2015
		2	74.7	418	502	1340	25FEB2015
		3	73.8	410	477	1350	25FEB2015
	23JAN2015	1	56.1	476	292	1180	05FEB2015

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Robust	23JAN2015	2	53.0	473	288	1150	05FEB2015
		3	56.1	462	282	1150	05FEB2015
		1	47.5	460	212	1060	02APR2015
		2	47.9	466	199	1050	02APR2015
		3	48.7	434	209	1070	02APR2015
	17APR2015	1	31.2	342	139	756	23APR2015
		2	25.9	277	128	704	23APR2015
		3	23.6	241	120	669	23APR2015
		1	33.5	329	148	818	27MAY2015
		2	32.2	367	155	821	27MAY2015
		3	32.9	344	147	821	27MAY2015
	20JUL2015	1	41.8	329	234	993	04AUG2015
		2	40.6	350	234	926	04AUG2015
		3	38.4	332	232	1000	04AUG2015
		1	41.1	348	211	928	03FEB2016
		2	41.2	355	212	966	03FEB2016
		3	44.6	352	211	999	03FEB2016
	05OCT2015	1	38.9	340	264	1030	05NOV2015

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Robust	05OCT2015	2	38.1	357	276	1040	05NOV2015
		3	23.4	199	158	621	05NOV2015
		4	43.0	377	297	1060	09NOV2015
		5	46.5	370	299	1110	09NOV2015
		6	45.0	382	290	1110	09NOV2015
		1	38.8	381	272	1040	03FEB2016
		2	39.1	378	271	1050	03FEB2016
		3	45.1	373	269	1020	03FEB2016
Camel Snus Winterchill	26JAN2013	1	100.0	446	493	1600	07FEB2013
		2	102.0	441	490	1580	07FEB2013
		3	104.0	437	468	1500	07FEB2013
	04FEB2013	1	73.4	409	506	1180	14FEB2013
		2	76.8	434	546	1220	14FEB2013
		3	77.1	432	525	1190	14FEB2013
	01APR2013	1	73.2	413	568	1130	06APR2013
		2	82.6	490	601	1270	06APR2013
		3	79.2	476	605	1230	06APR2013
		1	75.4	449	564	1210	11APR2013

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Winterchill	01APR2013	2	75.8	478	539	1160	11APR2013
		3	76.1	444	562	1180	11APR2013
	08JUL2013	1	46.1	316	271	857	25JUL2013
		2	47.5	312	260	836	25JUL2013
		3	46.9	314	253	882	25JUL2013
		1	51.3	302	258	807	05OCT2013
		2	49.3	308	265	805	05OCT2013
		3	49.8	308	269	849	05OCT2013
	28OCT2013	1	51.3	369	328	985	18NOV2013
		2	50.0	386	325	1010	18NOV2013
		3	46.3	374	319	959	18NOV2013
		1	50.4	333	315	966	02JAN2014
		2	48.2	330	305	968	02JAN2014
		3	50.6	367	310	1000	02JAN2014
	06JAN2014	1	50.5	361	278	1120	22JAN2014
		2	48.7	360	301	1000	22JAN2014
		3	48.0	372	301	1080	22JAN2014
		1	45.0	353	292	891	18FEB2014

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Winterchill	06JAN2014	2	46.1	340	295	922	18FEB2014
		3	50.1	325	293	922	18FEB2014
	07APR2014	1	58.1	353	364	1230	15APR2014
		2	56.7	377	371	1190	15APR2014
		3	54.5	382	363	1220	15APR2014
		1	59.4	370	382	1240	15APR2014
		2	58.6	385	370	1180	15APR2014
		3	59.4	382	363	1160	15APR2014
	14JUL2014	1	79.2	455	598	1180	20JUL2014
		2	81.0	454	587	1140	20JUL2014
		3	78.6	453	566	1190	20JUL2014
		1	83.3	428	573	1190	25JUL2014
		2	83.6	439	566	1160	25JUL2014
		3	82.6	434	569	1170	25JUL2014
	01OCT2014	1	51.6	564	223	1190	20OCT2014
		2	52.7	579	206	1260	20OCT2014
		3	50.4	563	212	1210	20OCT2014
		1	46.4	476	216	1240	16FEB2015

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
			NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Winterchill	01OCT2014	2	49.4	517	224	1230	16FEB2015
		3	46.8	483	204	1270	16FEB2015
	06JAN2015	1	42.2	437	297	1220	27JAN2015
		2	42.5	410	305	1220	27JAN2015
		3	41.9	413	302	1210	27JAN2015
		1	45.4	451	300	1250	24MAR2015
		2	43.9	430	304	1240	24MAR2015
		3	40.8	366	290	1170	24MAR2015
	13APR2015	1	46.8	448	271	1180	17APR2015
		2	43.2	414	289	1220	17APR2015
		3	44.3	446	281	1200	17APR2015
		1	42.7	392	272	1170	14MAY2015
		2	42.2	431	270	1130	14MAY2015
		3	37.6	344	249	1040	14MAY2015
	08JUL2015	1	40.0	359	191	942	24JUL2015
		2	40.7	397	201	1010	24JUL2015
		3	41.5	386	197	953	24JUL2015
		1	40.4	350	196	907	03FEB2016

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

			Tobacco Specific Nitrosamines Analysis				Completed Analysis Date
Snus Product	Manufacture Date	Replicate	NAB (ng/g)	NAT (ng/g)	NNK (ng/g)	NNN (ng/g)	
Camel Snus Winterchill	08JUL2015	2	42.8	352	199	891	03FEB2016
		3	44.3	365	194	908	03FEB2016
	12OCT2015	1	44.8	374	245	1070	07NOV2015
		2	47.1	388	239	1070	07NOV2015
		3	49.8	385	236	1070	07NOV2015
		1	41.7	353	210	973	03FEB2016
		2	42.0	362	214	974	03FEB2016
		3	38.5	373	226	1030	03FEB2016

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB= N'nitrosoanabasine

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Carbonyls Analysis			Completed Analysis Date
			Acetaldehyde (ng/g)	Crotonaldehyde (ng/g)	Formaldehyde (ng/g)	
Camel Snus Frost	03JAN2013	1	1010.0	763.0*	1850.0	02MAR2013
		2	948.0	730.0*	1950.0	02MAR2013
		3	971.0*	758.0*	1750.0	02MAR2013
	03APR2013	1	1250.0	584.0*	2820.0	13APR2013
		2	1330.0	630.0*	3170.0	13APR2013
		3	1470.0	604.0*	3270.0	13APR2013
	10JUL2013	1	1290.0	681.0*	1530.0	20JUL2013
		2	1270.0	760.0*	1710.0	20JUL2013
		3	1280.0	712.0*	1560.0	20JUL2013
	01OCT2013	1	1330.0	622.0*	763.0*	26OCT2013
		2	1270.0	647.0*	794.0*	26OCT2013
		3	1230.0	601.0*	738.0*	26OCT2013
	07JAN2014	1	1680.0	631.0*	1370.0	30JAN2014
		2	1270.0	596.0*	1230.0	30JAN2014
		3	1710.0	650.0	1370.0	30JAN2014
	07APR2014	1	1290.0	663.0	1570.0	17APR2014
		2	1270.0	736.0	1720.0	17APR2014
		3	1310.0	810.0	1790.0	17APR2014

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Carbonyls Analysis			Completed Analysis Date
			Acetaldehyde (ng/g)	Crotonaldehyde (ng/g)	Formaldehyde (ng/g)	
Camel Snus Frost	08JUL2014	1	867.0	593.0*	1480.0	16JUL2014
		2	1020.0	636.0*	1610.0	16JUL2014
		3	1080.0	591.0*	1480.0	16JUL2014
	06OCT2014	1	1560.0	562.0*	949.0	04DEC2014
		2	1400.0	542.0*	740.0	04DEC2014
		3	1480.0	608.0*	1140.0	04DEC2014
	12JAN2015	1	1410.0	551.0*	734.0	24MAR2015
		2	1360.0	556.0*	763.0	24MAR2015
		3	1340.0	577.0*	827.0	24MAR2015
	06APR2015	1	2470.0	573.0*	945.0	12MAY2015
		2	2430.0	596.0*	1000.0	12MAY2015
		3	2380.0	598.0*	959.0	12MAY2015
	13JUL2015	1	1240.0	518.0*	677.0	18NOV2015
		2	1390.0	560.0*	732.0*	18NOV2015
		3	1410.0	554.0*	776.0	18NOV2015
	01OCT2015	1	1830.0	571.0*	816.0	10DEC2015
		2	1570.0	570.0*	793.0	10DEC2015
		3	1590.0	600.0	868.0	10DEC2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Carbonyls Analysis			Completed Analysis Date
			Acetaldehyde (ng/g)	Crotonaldehyde (ng/g)	Formaldehyde (ng/g)	
Camel Snus Frost (Large)	22APR2013	1	1430.0	709.0*	837.0*	10JUL2013
		2	1440.0	741.0*	875.0*	10JUL2013
		3	1380.0	698.0*	824.0*	10JUL2013
	11JUL2013	1	941.0	709.0*	837.0*	20JUL2013
		2	957.0*	747.0*	882.0*	20JUL2013
		3	985.0*	768.0*	907.0*	20JUL2013
	07OCT2013	1	1740.0	728.0*	893.0*	26OCT2013
		2	1540.0	747.0*	917.0*	26OCT2013
		3	1470.0	729.0*	895.0*	26OCT2013
	09JAN2014	1	1710.0	737.0*	904.0*	30JAN2014
		2	1880.0	748.0*	918.0*	30JAN2014
		3	1940.0	807.0*	991.0*	30JAN2014
	01APR2014	1	1220.0	695.0*	854.0*	17APR2014
		2	1070.0	723.0*	888.0*	17APR2014
		3	1040.0	657.0*	806.0*	17APR2014
	08JUL2014	1	1160.0	727.0*	892.0*	16JUL2014
		2	1060.0	704.0*	865.0*	16JUL2014
		3	982.0	714.0	877.0*	16JUL2014

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Carbonyls Analysis			Completed Analysis Date
			Acetaldehyde (ng/g)	Crotonaldehyde (ng/g)	Formaldehyde (ng/g)	
Camel Snus Frost (Large)	06OCT2014	1	1910.0	673.0*	856.0*	04DEC2014
		2	1690.0	571.0*	727.0*	04DEC2014
		3	1830.0	691.0*	879.0*	04DEC2014
	08JAN2015	1	2430.0	690.0*	878.0*	24MAR2015
		2	2210.0	504.0*	642.0*	24MAR2015
		3	2130.0	590.0*	750.0*	24MAR2015
	01APR2015	1	1970.0	662.0*	843.0*	22MAY2015
		2	1620.0	644.0*	820.0*	22MAY2015
		3	1560.0	686.0*	873.0*	22MAY2015
	06JUL2015	1	1030.0*	734.0*	960.0*	24NOV2015
		2	966.0*	692.0*	904.0*	24NOV2015
		3	1020.0*	729.0*	953.0*	24NOV2015
	01OCT2015	1	1700.0	898.0*	1170.0*	10DEC2015
		2	1510.0	804.0*	1050.0*	10DEC2015
		3	1440.0	825*	1080.0*	10DEC2015
Camel Snus Mellow	03JAN2013	1	1440.0	732.0*	2080.0	02MAR2013
		2	1300.0	758.0*	2290.0	02MAR2013
		3	1220.0	727.0	2230.0	02MAR2013

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Carbonyls Analysis			Completed Analysis Date
			Acetaldehyde (ng/g)	Crotonaldehyde (ng/g)	Formaldehyde (ng/g)	
Camel Snus Mellow	01APR2013	1	1960.0	606.0*	2380.0	13APR2013
		2	1950.0	593.0*	2510.0	13APR2013
		3	1540.0	630.0*	2360.0	13APR2013
	15AUG2013	1	1710.0	763.0*	901.0*	05SEP2013
		2	1660.0	765.0*	904.0*	05SEP2013
		3	1680.0	703.0*	831.0*	05SEP2013
	14OCT2013	1	2050.0	577.0*	1170.0	15NOV2013
		2	2020.0	615.0*	1210.0	15NOV2013
		3	1900.0	593.0*	1190.0	15NOV2013
	13JAN2014	1	2700.0	818.0	1330.0	30JAN2014
		2	2350.0	869.0	1270.0	30JAN2014
		3	2210.0	854.0	1360.0	30JAN2014
	01APR2014	1	2040.0	569.0*	1340.0	17APR2014
		2	1800.0	602.0*	1450.0	17APR2014
		3	1720.0	600.0*	1470.0	17APR2014
	23JUL2014	1	1040.0	621.0*	762.0*	11SEP2014
		2	1000.0	632.0*	776.0*	11SEP2014
		3	921.0	582.0*	714.0*	11SEP2014

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Carbonyls Analysis			Completed Analysis Date
			Acetaldehyde (ng/g)	Crotonaldehyde (ng/g)	Formaldehyde (ng/g)	
Camel Snus Mellow	01OCT2014	1	1350.0	561.0*	2110.0	10OCT2014
		2	1830.0	548.0*	1510.0	10OCT2014
		3	1830.0	523.0*	1660.0	10OCT2014
	06JAN2015	1	1900.0	642.0*	822.0	24MAR2015
		2	1890.0	649.0*	842.0	24MAR2015
		3	1740.0	584.0*	842.0	24MAR2015
	21APR2015	1	1450.0	570.0*	725.0*	28JUL2015
		2	1360.0	540.0*	687.0*	28JUL2015
		3	1620.0	611.0*	778.0*	28JUL2015
Camel Snus Mint	06JUL2015	1	1130.0	583.0*	773.0	18NOV2015
		2	1070.0	619.0*	809.0*	18NOV2015
		3	1010.0	594.0*	776.0*	18NOV2015
	12OCT2015	1	1680.0	656.0*	1040.0	11DEC2015
		2	1510.0	611.0*	1040.0	11DEC2015
		3	1340.0	623.0*	1090.0	11DEC2015
	05FEB2013	1	1400.0	715.0*	1860.0	02MAR2013
		2	1270.0	787.0*	2050.0	02MAR2013
		3	1230.0	771.0*	2180.0	02MAR2013

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Carbonyls Analysis			Completed Analysis Date
			Acetaldehyde (ng/g)	Crotonaldehyde (ng/g)	Formaldehyde (ng/g)	
Camel Snus Mint	17APR2013	1	1390.0	599.0*	1740.0	07MAY2013
		2	1390.0	633.0*	1810.0	07MAY2013
		3	1340.0	645.0*	1870.0	07MAY2013
	08JUL2013	1	1230.0	785.0*	927.0*	16JUL2013
		2	958.0*	748.0*	1000.0	16JUL2013
		3	959.0*	748.0*	1010.0	16JUL2013
	19OCT2013	1	1330.0	601.0*	1120.0	15NOV2013
		2	1110.0	551.0*	1260.0	15NOV2013
		3	1170.0	539.0*	1220.0	15NOV2013
	15JAN2014	1	1730.0	701.0	1310.0	30JAN2014
		2	1550.0	632.0	1350.0	30JAN2014
		3	1570.0	652.0	1410.0	30JAN2014
	01MAY2014	1	1250.0	588.0*	1070.0	03JUN2014
		2	1340.0	606.0*	1090.0	03JUN2014
		3	1070.0	591.0*	1100.0	03JUN2014
	30JUL2014	1	1300.0	603.0*	894.0	11SEP2014
		2	1200.0	619.0*	850.0	11SEP2014
		3	1240.0	652.0*	868.0	11SEP2014

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Carbonyls Analysis			Completed Analysis Date
			Acetaldehyde (ng/g)	Crotonaldehyde (ng/g)	Formaldehyde (ng/g)	
Camel Snus Mint	15OCT2014	1	1700.0	555.0*	732.0	16JAN2015
		2	1630.0	569.0*	804.0	16JAN2015
		3	1400.0	567.0*	788.0	16JAN2015
	08JAN2015	1	1390.0	605.0*	882.0	24MAR2015
		2	1340.0	602.0*	826.0	24MAR2015
		3	892.0*	621.0*	979.0	24MAR2015
	01APR2015	1	2500.0	635.0*	874.0	12MAY2015
		2	2370.0	565.0*	841.0	12MAY2015
		3	2490.0	589.0*	834.0	12MAY2015
	15JUL2015	1	2450.0	640.0*	1060.0	08DEC2015
		2	2510.0	605.0*	1020.0	08DEC2015
		3	2370.0	615.0*	1020.0	08DEC2015
	05OCT2015	1	1300.0	599.0*	783.0	11DEC2015
		2	1130.0	568.0*	743.0*	11DEC2015
		3	977.0	558.0*	736.0	11DEC2015
Camel Snus Robust	28FEB2013	1	1010.0	681.0*	929.0	14MAR2013
		2	979.0*	764.0*	918.0	14MAR2013
		3	909.0	707.0	837.0	14MAR2013

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Carbonyls Analysis			Completed Analysis Date
			Acetaldehyde (ng/g)	Crotonaldehyde (ng/g)	Formaldehyde (ng/g)	
Camel Snus Robust	11APR2013	1	1890.0	785.0*	927.0*	07MAY2013
		2	1780.0	696.0*	822.0*	07MAY2013
		3	1740.0	712.0*	841.0*	07MAY2013
	01OCT2013	1	1670.0	765.0*	940.0*	26OCT2013
		2	1530.0	718.0*	882.0*	26OCT2013
		3	1400.0	748.0*	918.0*	26OCT2013
	27JAN2014	1	2210.0	715.0*	878.0*	03MAR2014
		2	1770.0	719.0*	883.0*	03MAR2014
		3	1940.0	684.0*	839.0*	03MAR2014
	14APR2014	1	1920.0	729.0*	894.0*	31MAY2014
		2	1780.0	688.0*	845.0*	31MAY2014
		3	1610.0	658.0*	808.0*	31MAY2014
	28JUL2014	1	1190.0	729.0*	895.0*	11SEP2014
		2	1170.0	733.0*	899.0*	11SEP2014
		3	1280.0	699.0*	858.0*	11SEP2014
	22OCT2014	1	1120.0	508.0*	646.0*	27JAN2015
		2	971.0	506.0*	711.0	27JAN2015
		3	979.0	464.0	729.0	27JAN2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Carbonyls Analysis			Completed Analysis Date
			Acetaldehyde (ng/g)	Crotonaldehyde (ng/g)	Formaldehyde (ng/g)	
Camel Snus Robust	23JAN2015	1	1360.0	742.0*	944.0*	19JUN2015
		2	1460.0	717.0*	912.0*	19JUN2015
		3	1360.0	734.0*	935.0*	19JUN2015
	17APR2015	1	1790.0	718.0*	914.0*	19JUN2015
		2	1820.0	713.0*	908.0*	19JUN2015
		3	1790.0	739.0*	940.0*	19JUN2015
	20JUL2015	1	2640.0	857.0*	1240.0	08DEC2015
		2	2380.0	723.0*	1100.0	08DEC2015
		3	2310.0	770.0*	1110.0	08DEC2015
Camel Snus Winterchill	05OCT2015	1	1480.0	733.0*	958.0*	11DEC2015
		2	1370.0	739.0*	966.0*	11DEC2015
		3	1280.0	670.0*	876.0*	11DEC2015
	04FEB2013	1	938.0*	732.0*	1010.0	02MAR2013
		2	934.0*	729.0*	982.0	02MAR2013
		3	926.0*	722.0*	1060.0	02MAR2013
	01APR2013	1	1120.0	722.0*	1130.0	13APR2013
		2	1490.0	721.0*	1790.0	13APR2013
		3	1150.0	724.0*	1790.0	13APR2013

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Carbonyls Analysis			Completed Analysis Date
			Acetaldehyde (ng/g)	Crotonaldehyde (ng/g)	Formaldehyde (ng/g)	
Camel Snus Winterchill	08JUL2013	1	935.0	694.0	819.0	16JUL2013
		2	986.0	770.0	909.0	16JUL2013
		3	1010.0	786.0	928.0	16JUL2013
	28OCT2013	1	2010.0	692.0	857.0	22NOV2013
		2	1940.0	821.0	1010.0	22NOV2013
		3	1770.0	743.0	912.0	22NOV2013
	06JAN2014	1	1070.0	781.0	1200.0	10JAN2014
		2	995.0	723.0	1120.0	10JAN2014
		3	1040.0	755.0	1200.0	10JAN2014
	07APR2014	1	610.0	407.0	645.0	21APR2014
		2	1010.0	731.0	898.0	21APR2014
		3	954.0	693.0	851.0	21APR2014
	14JUL2014	1	1220.0	534.0	668.0	23JUL2014
		2	1170.0	522.0	657.0	23JUL2014
		3	1080.0	588.0	721.0	23JUL2014
	01OCT2014	1	1010.0	659.0	839.0	10OCT2014
		2	1080.0	555.0	706.0	10OCT2014
		3	1020.0	553.0	720.0	10OCT2014

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Tobacco Carbonyls Analysis			Completed Analysis Date
			Acetaldehyde (ng/g)	Crotonaldehyde (ng/g)	Formaldehyde (ng/g)	
Camel Snus Winterchill	06JAN2015	1	1500.0	415.0*	641.0	24MAR2015
		2	1350.0	386.0*	602.0	24MAR2015
		3	1270.0	373.0*	557.0	24MAR2015
	13APR2015	1	2600.0	712.0*	906.0*	28JUL2015
		2	2050.0	773.0*	984.0*	28JUL2015
		3	1990.0	686.0*	873.0*	28JUL2015
	08JUL2015	1	1590.0	695.0*	909.0*	18NOV2015
		2	1580.0	680.0*	888.0*	18NOV2015
		3	1490.0	761.0*	995.0*	18NOV2015
	12OCT2015	1	1360.0	778.0*	1020.0*	11DEC2015
		2	1080.0	693.0*	906.0*	11DEC2015
		3	1130.0	799.0*	1040.0*	11DEC2015

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost	03JAN2013	1	33.12	13FEB2013	7.51	13FEB2013
		2	33.13	13FEB2013	7.51	13FEB2013
		3	32.90	13FEB2013	7.50	13FEB2013
	07JAN2013	1	33.36	24JAN2013	7.66	29JAN2013
		2	33.44	24JAN2013	7.65	29JAN2013
	06FEB2013	1	34.12	08FEB2013	7.77	08FEB2013
		2	34.10	08FEB2013	7.76	08FEB2013
	01MAR2013	1	34.07	08MAR2013	7.70	11MAR2013
		2	33.87	08MAR2013	7.69	11MAR2013
	03APR2013	1	33.25	08APR2013	N/A	N/A
		2	33.31	08APR2013	N/A	N/A
		3	33.28	08APR2013	N/A	N/A
		1	33.46	08APR2013	7.59	09APR2013
		2	33.39	08APR2013	7.59	09APR2013
		1	33.19	08APR2013	7.59	09APR2013
		2	33.19	08APR2013	7.59	09APR2013
		3	33.20	08APR2013	7.60	09APR2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost	02MAY2013	1	34.29	20MAY2013	7.72	20MAY2013
		2	34.16	20MAY2013	7.69	20MAY2013
	07JUN2013	1	34.17	11JUN2013	7.79	11JUN2013
		2	34.27	11JUN2013	7.76	11JUN2013
	10JUL2013	1	33.46	17JUL2013	N/A	N/A
		2	33.52	17JUL2013	N/A	N/A
		3	33.57	17JUL2013	N/A	N/A
		1	34.31	17JUL2013	7.70	17JUL2013
		2	34.23	17JUL2013	7.71	17JUL2013
		1	34.02	17JUL2013	7.69	17JUL2013
		2	34.02	17JUL2013	7.68	17JUL2013
		3	33.92	17JUL2013	7.66	17JUL2013
	07AUG2013	1	33.95	14AUG2013	7.69	20AUG2013
		2	33.92	14AUG2013	7.69	20AUG2013
	10SEP2013	1	33.97	17SEP2013	7.67	20SEP2013
		2	34.01	17SEP2013	7.65	20SEP2013
	01OCT2013	1	32.12	15OCT2013	N/A	N/A

N/A= not available



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost	01OCT2013	2	32.28	15OCT2013	N/A	N/A
		3	32.13	15OCT2013	N/A	N/A
		1	33.85	17OCT2013	7.85	14OCT2013
		2	33.82	17OCT2013	7.86	14OCT2013
		1	33.51	17OCT2013	7.85	14OCT2013
		2	33.37	17OCT2013	7.85	14OCT2013
		3	33.41	17OCT2013	7.83	14OCT2013
	01NOV2013	1	33.22	05NOV2013	7.70	05NOV2013
		2	33.27	05NOV2013	7.70	05NOV2013
	02DEC2013	1	33.42	05DEC2013	7.64	05DEC2013
		2	33.42	05DEC2013	7.63	05DEC2013
	07JAN2014	1	32.76	15JAN2014	7.68	15JAN2014
		2	32.64	15JAN2014	7.69	15JAN2014
		1	33.28	15JAN2014	7.66	15JAN2014
		2	33.31	15JAN2014	7.67	15JAN2014
		3	33.11	15JAN2014	7.67	15JAN2014
		1	32.19	17JAN2014	N/A	N/A

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost	07JAN2014	2	31.72	17JAN2014	N/A	N/A
		3	31.75	17JAN2014	N/A	N/A
	04FEB2014	1	32.91	10FEB2014	7.73	10FEB2014
		2	32.76	10FEB2014	7.73	10FEB2014
	03MAR2014	1	32.94	05MAR2014	7.72	05MAR2014
		2	32.88	05MAR2014	7.73	05MAR2014
	07APR2014	1	33.55	17APR2014	7.51	23APR2014
		2	33.70	17APR2014	7.51	23APR2014
		1	33.42	17APR2014	7.52	23APR2014
		2	33.39	17APR2014	7.49	23APR2014
		3	33.42	17APR2014	7.52	23APR2014
		1	31.63	21APR2014	N/A	N/A
		2	31.18	21APR2014	N/A	N/A
		3	31.33	21APR2014	N/A	N/A
	06MAY2014	1	33.74	13MAY2014	7.57	09MAY2014
		2	33.65	13MAY2014	7.57	09MAY2014
	10JUN2014	1	34.65	13JUN2014	7.91	13JUN2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost	10JUN2014	2	34.70	13JUN2014	7.91	13JUN2014
	08JUL2014	1	32.29	23JUL2014	N/A	N/A
		2	32.42	23JUL2014	N/A	N/A
		3	32.15	23JUL2014	N/A	N/A
		1	34.42	23JUL2014	7.80	23JUL2014
		2	34.47	23JUL2014	7.81	23JUL2014
		1	34.14	23JUL2014	7.78	23JUL2014
		2	34.22	23JUL2014	7.79	23JUL2014
		3	34.20	23JUL2014	7.80	23JUL2014
	06AUG2014	1	33.86	18AUG2014	7.75	18AUG2014
		2	33.87	18AUG2014	7.75	18AUG2014
	05SEP2014	1	34.58	15SEP2014	7.73	22SEP2014
		2	34.54	15SEP2014	7.72	22SEP2014
	06OCT2014	1	31.40	16OCT2014	N/A	N/A
		2	31.57	16OCT2014	N/A	N/A
		3	31.29	16OCT2014	N/A	N/A
		1	34.01	16OCT2014	7.68	17OCT2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost	06OCT2014	2	34.11	16OCT2014	7.68	17OCT2014
		1	34.19	20OCT2014	7.64	17OCT2014
		2	34.13	20OCT2014	7.69	17OCT2014
		3	34.15	20OCT2014	7.63	17OCT2014
	11NOV2014	1	34.00	20NOV2014	7.83	01DEC2014
		2	34.00	20NOV2014	7.85	01DEC2014
	04DEC2014	1	33.02	11DEC2014	7.73	12DEC2014
		2	32.99	11DEC2014	7.73	12DEC2014
	12JAN2015	1	33.52	15JAN2015	7.69	15JAN2015
		2	33.57	15JAN2015	7.68	15JAN2015
		1	33.32	15JAN2015	7.60	15JAN2015
		2	33.27	15JAN2015	7.59	15JAN2015
		3	33.33	15JAN2015	7.59	15JAN2015
		1	31.94	20JAN2015	N/A	N/A
		2	32.36	20JAN2015	N/A	N/A
		3	32.28	20JAN2015	N/A	N/A
	02FEB2015	1	33.25	05FEB2015	7.83	12FEB2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost	02FEB2015	2	33.35	05FEB2015	7.80	12FEB2015
	10MAR2015	1	33.35	19MAR2015	7.76	17MAR2015
		2	33.42	19MAR2015	7.81	17MAR2015
	06APR2015	1	30.70	10APR2015	N/A	N/A
		2	30.73	10APR2015	N/A	N/A
		3	30.70	10APR2015	N/A	N/A
		1	33.51	14APR2015	7.84	13APR2015
		2	33.47	14APR2015	7.86	13APR2015
		1	33.34	14APR2015	7.88	13APR2015
		2	33.37	14APR2015	7.84	13APR2015
		3	33.41	14APR2015	7.86	13APR2015
	20MAY2015	1	33.89	01JUN2015	7.82	01JUN2015
		2	33.87	01JUN2015	7.83	01JUN2015
	04JUN2015	1	33.99	15JUN2015	7.98	12JUN2015
		2	33.84	15JUN2015	7.98	12JUN2015
	13JUL2015	1	34.82	20JUL2015	7.98	29JUL2015
		2	34.75	20JUL2015	7.98	29JUL2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost	13JUL2015	1	34.48	28JUL2015	7.98	28JUL2015
		2	34.51	28JUL2015	7.97	28JUL2015
		3	34.59	28JUL2015	7.97	28JUL2015
		1	32.47	06AUG2015	N/A	N/A
		2	32.62	06AUG2015	N/A	N/A
		3	32.44	06AUG2015	N/A	N/A
	04AUG2015	1	34.50	10AUG2015	7.89	21AUG2015
		2	34.41	10AUG2015	7.87	21AUG2015
	01SEP2015	1	34.07	10SEP2015	7.82	21SEP2015
		2	34.06	10SEP2015	7.77	21SEP2015
	01OCT2015	1	34.02	06OCT2015	7.72	06OCT2015
		2	34.07	06OCT2015	7.72	06OCT2015
		1	33.82	07OCT2015	7.73	07OCT2015
		2	33.79	07OCT2015	7.73	07OCT2015
		3	33.77	07OCT2015	7.74	07OCT2015
		1	32.45	09OCT2015	N/A	N/A
		2	32.01	09OCT2015	N/A	N/A

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost	01OCT2015	3	32.23	09OCT2015	N/A	N/A
	16NOV2015	1	32.57	01DEC2015	7.74	20NOV2015
		2	32.23	01DEC2015	7.73	20NOV2015
	07DEC2015	1	33.56	09DEC2015	7.70	16DEC2015
		2	33.52	09DEC2015	7.69	16DEC2015
Camel Snus Frost (Large)	11MAR2013	1	33.51	14MAR2013	7.69	14MAR2013
		2	33.47	14MAR2013	7.68	14MAR2013
	22APR2013	1	33.55	30APR2013	N/A	N/A
		2	33.56	30APR2013	N/A	N/A
		3	33.66	30APR2013	N/A	N/A
		1	33.76	30APR2013	7.73	30APR2013
		2	33.67	30APR2013	7.72	30APR2013
		1	33.31	20MAY2013	7.74	30APR2013
		2	33.26	20MAY2013	7.72	30APR2013
		3	33.22	20MAY2013	7.71	30APR2013
	28MAY2013	1	34.41	31MAY2013	7.70	31MAY2013
		2	34.44	31MAY2013	7.69	31MAY2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost (Large)	11JUL2013	1	33.55	17JUL2013	N/A	N/A
		2	33.63	17JUL2013	N/A	N/A
		3	33.60	17JUL2013	N/A	N/A
		1	34.03	17JUL2013	7.64	17JUL2013
		2	34.14	17JUL2013	7.63	17JUL2013
		1	34.46	17JUL2013	7.58	19JUL2013
		2	34.24	17JUL2013	7.58	19JUL2013
		3	33.61	17JUL2013	7.57	19JUL2013
	13AUG2013	1	33.55	20AUG2013	7.68	20AUG2013
		2	33.67	20AUG2013	7.65	20AUG2013
	03SEP2013	1	33.65	09SEP2013	7.81	09SEP2013
		2	33.77	09SEP2013	7.78	09SEP2013
	07OCT2013	1	31.89	15OCT2013	N/A	N/A
		2	31.82	15OCT2013	N/A	N/A
		3	32.08	15OCT2013	N/A	N/A
		1	33.34	17OCT2013	7.81	14OCT2013
		2	33.41	17OCT2013	7.82	14OCT2013

N/A= not available



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost (Large)	07OCT2013	1	33.33	17OCT2013	7.81	14OCT2013
		2	33.29	17OCT2013	7.80	14OCT2013
		3	33.31	17OCT2013	7.82	14OCT2013
	13DEC2013	1	35.07	17DEC2013	7.73	17DEC2013
		2	33.47	17DEC2013	7.73	17DEC2013
	09JAN2014	1	32.75	15JAN2014	7.55	15JAN2014
		2	32.69	15JAN2014	7.55	15JAN2014
		1	32.29	15JAN2014	7.54	15JAN2014
		2	32.29	15JAN2014	7.54	15JAN2014
		3	32.27	15JAN2014	7.55	15JAN2014
		1	31.18	17JAN2014	N/A	N/A
		2	31.20	17JAN2014	N/A	N/A
		3	31.80	17JAN2014	N/A	N/A
	07FEB2014	1	32.74	20FEB2014	7.71	20FEB2014
		2	32.66	20FEB2014	7.71	20FEB2014
	03MAR2014	1	33.34	05MAR2014	7.71	05MAR2014
		2	33.32	05MAR2014	7.71	05MAR2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost (Large)	01APR2014	1	30.86	04APR2014	N/A	N/A
		2	31.34	04APR2014	N/A	N/A
		3	31.13	04APR2014	N/A	N/A
		1	33.42	04APR2014	7.49	07APR2014
		2	33.33	04APR2014	7.49	07APR2014
		1	33.80	04APR2014	7.49	07APR2014
		2	33.81	04APR2014	7.39	07APR2014
		3	33.73	04APR2014	7.49	07APR2014
	14MAY2014	1	34.23	16MAY2014	7.60	16MAY2014
		2	34.22	16MAY2014	7.60	16MAY2014
	02JUN2014	1	34.40	09JUN2014	7.84	09JUN2014
		2	34.48	09JUN2014	7.83	09JUN2014
	08JUL2014	1	32.48	23JUL2014	N/A	N/A
		2	32.26	23JUL2014	N/A	N/A
		3	32.22	23JUL2014	N/A	N/A
		1	34.01	23JUL2014	7.74	23JUL2014
		2	33.87	23JUL2014	7.75	23JUL2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost (Large)	08JUL2014	1	33.70	23JUL2014	7.72	23JUL2014
		2	33.61	23JUL2014	7.72	23JUL2014
		3	33.77	23JUL2014	7.72	23JUL2014
	05AUG2014	1	34.56	18AUG2014	7.69	18AUG2014
		2	34.47	18AUG2014	7.67	18AUG2014
	03SEP2014	1	34.28	15SEP2014	7.80	22SEP2014
		2	34.25	15SEP2014	7.80	22SEP2014
	06OCT2014	1	30.87	16OCT2014	N/A	N/A
		2	30.83	16OCT2014	N/A	N/A
		3	31.33	16OCT2014	N/A	N/A
		1	33.80	16OCT2014	7.72	17OCT2014
		2	33.77	16OCT2014	7.72	17OCT2014
		1	33.67	20OCT2014	7.70	17OCT2014
		2	33.66	20OCT2014	7.68	17OCT2014
		3	33.59	20OCT2014	7.69	17OCT2014
	04NOV2014	1	33.89	10NOV2014	7.81	12NOV2014
		2	33.99	10NOV2014	7.78	12NOV2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost (Large)	01DEC2014	1	33.01	11DEC2014	7.71	12DEC2014
		2	32.92	11DEC2014	7.70	12DEC2014
	08JAN2015	1	33.31	15JAN2015	7.61	15JAN2015
		2	33.37	15JAN2015	7.59	15JAN2015
		1	32.24	16JAN2015	N/A	N/A
		2	32.09	16JAN2015	N/A	N/A
		3	32.39	16JAN2015	N/A	N/A
		1	33.15	16JAN2015	7.64	15JAN2015
		2	32.99	16JAN2015	7.62	15JAN2015
		3	33.11	16JAN2015	7.60	15JAN2015
	02FEB2015	1	33.98	05FEB2015	8.00	12FEB2015
		2	33.88	05FEB2015	7.95	12FEB2015
	02MAR2015	1	33.55	18MAR2015	8.01	10MAR2015
		2	33.47	18MAR2015	7.98	10MAR2015
	01APR2015	1	30.69	10APR2015	N/A	N/A
		2	31.03	10APR2015	N/A	N/A
		3	30.77	10APR2015	N/A	N/A

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost (Large)	01APR2015	1	33.59	14APR2015	7.89	13APR2015
		2	33.57	14APR2015	7.86	13APR2015
		1	33.35	14APR2015	7.74	13APR2015
		2	33.36	14APR2015	7.76	13APR2015
		3	33.39	14APR2015	7.73	13APR2015
	05MAY2015	1	33.79	11MAY2015	7.88	15MAY2015
		2	33.77	11MAY2015	7.87	15MAY2015
	08JUN2015	1	34.45	15JUN2015	8.02	12JUN2015
		2	34.35	15JUN2015	7.99	12JUN2015
	06JUL2015	1	34.35	20JUL2015	7.65	20JUL2015
		2	34.29	20JUL2015	7.63	20JUL2015
		1	34.37	31JUL2015	7.84	29JUL2015
		2	34.36	31JUL2015	7.83	29JUL2015
		3	34.34	31JUL2015	7.80	29JUL2015
		1	32.60	06AUG2015	N/A	N/A
		2	32.48	06AUG2015	N/A	N/A
		3	32.93	06AUG2015	N/A	N/A

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Frost (Large)	04AUG2015	1	34.13	10AUG2015	7.90	21AUG2015
		2	34.17	10AUG2015	7.90	21AUG2015
	01SEP2015	1	34.58	10SEP2015	7.74	21SEP2015
		2	34.44	10SEP2015	7.76	21SEP2015
	01OCT2015	1	33.65	06OCT2015	7.58	06OCT2015
		2	33.62	06OCT2015	7.58	06OCT2015
		1	33.44	07OCT2015	7.58	07OCT2015
		2	33.42	07OCT2015	7.59	07OCT2015
		3	33.39	07OCT2015	7.59	07OCT2015
		1	31.21	09OCT2015	N/A	N/A
		2	31.51	09OCT2015	N/A	N/A
		3	31.84	09OCT2015	N/A	N/A
	04NOV2015	1	33.02	13NOV2015	7.65	12NOV2015
		2	32.76	13NOV2015	7.65	12NOV2015
	01DEC2015	1	33.93	09DEC2015	7.79	07DEC2015
		2	33.95	09DEC2015	7.79	07DEC2015
Camel Snus Mellow	03JAN2013	1	33.21	24JAN2013	7.64	29JAN2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mellow	03JAN2013	2	33.10	24JAN2013	7.64	29JAN2013
		1	32.80	13FEB2013	7.52	13FEB2013
		2	32.78	13FEB2013	7.51	13FEB2013
		3	32.86	13FEB2013	7.51	13FEB2013
	06FEB2013	1	33.67	08FEB2013	7.58	08FEB2013
		2	33.63	08FEB2013	7.57	08FEB2013
	28MAR2013	1	33.70	03APR2013	7.69	03APR2013
		2	33.54	03APR2013	7.74	03APR2013
	01APR2013	1	32.16	05APR2013	N/A	N/A
		2	31.76	05APR2013	N/A	N/A
		3	31.29	05APR2013	N/A	N/A
		1	33.69	05APR2013	7.86	03APR2013
		2	33.73	05APR2013	7.86	03APR2013
		1	32.97	05APR2013	7.69	09APR2013
		2	32.92	05APR2013	7.69	09APR2013
		3	32.84	05APR2013	7.67	09APR2013
	06MAY2013	1	34.48	20MAY2013	7.82	20MAY2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mellow	06MAY2013	2	34.41	20MAY2013	7.81	20MAY2013
	19JUN2013	1	34.37	09JUL2013	7.69	09JUL2013
		2	34.30	09JUL2013	7.70	09JUL2013
	15AUG2013	1	31.85	20AUG2013	N/A	N/A
		2	31.74	20AUG2013	N/A	N/A
		3	31.76	20AUG2013	N/A	N/A
		1	34.02	20AUG2013	7.65	20AUG2013
		2	34.26	20AUG2013	7.66	20AUG2013
		1	34.15	20AUG2013	7.66	20AUG2013
		2	34.18	20AUG2013	7.66	20AUG2013
		3	34.23	20AUG2013	7.66	20AUG2013
	05SEP2013	1	34.77	09SEP2013	7.60	09SEP2013
		2	34.72	09SEP2013	7.60	09SEP2013
	14OCT2013	1	34.05	17OCT2013	7.66	29OCT2013
		2	34.01	17OCT2013	7.69	29OCT2013
		1	34.32	17OCT2013	7.60	31OCT2013
		2	34.29	17OCT2013	7.63	31OCT2013

N/A= not available



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mellow	14OCT2013	3	34.20	17OCT2013	7.61	31OCT2013
		1	31.70	22OCT2013	N/A	N/A
		2	31.89	22OCT2013	N/A	N/A
		3	31.88	22OCT2013	N/A	N/A
	20NOV2013	1	33.53	25NOV2013	7.64	25NOV2013
		2	33.36	25NOV2013	7.65	25NOV2013
	16DEC2013	1	33.92	30DEC2013	7.68	30DEC2013
		2	33.87	30DEC2013	7.66	30DEC2013
	13JAN2014	1	33.25	17JAN2014	N/A	N/A
		2	32.55	17JAN2014	N/A	N/A
		3	32.75	17JAN2014	N/A	N/A
		1	34.01	17JAN2014	7.63	17JAN2014
		2	34.03	17JAN2014	7.63	17JAN2014
		1	33.26	17JAN2014	7.63	17JAN2014
		2	33.20	17JAN2014	7.63	17JAN2014
		3	33.31	17JAN2014	7.63	17JAN2014
	11FEB2014	1	33.06	20FEB2014	7.67	20FEB2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mellow	11FEB2014	2	33.01	20FEB2014	7.67	20FEB2014
	11MAR2014	1	33.75	19MAR2014	7.59	14MAR2014
		2	33.81	19MAR2014	7.59	14MAR2014
	01APR2014	1	31.22	04APR2014	N/A	N/A
		2	31.19	04APR2014	N/A	N/A
		3	30.85	04APR2014	N/A	N/A
		1	33.60	04APR2014	7.52	07APR2014
		2	33.58	04APR2014	7.52	07APR2014
		1	33.31	04APR2014	7.50	07APR2014
		2	33.26	04APR2014	7.50	07APR2014
		3	33.25	04APR2014	7.50	07APR2014
	21MAY2014	1	33.90	23MAY2014	7.41	23MAY2014
		2	33.94	23MAY2014	7.41	23MAY2014
	02JUN2014	1	34.12	09JUN2014	7.49	09JUN2014
		2	34.19	09JUN2014	7.48	09JUN2014
	23JUL2014	1	34.30	11AUG2014	7.77	07AUG2014
		2	34.23	11AUG2014	7.81	07AUG2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mellow	23JUL2014	1	31.31	14AUG2014	N/A	N/A
		2	31.30	14AUG2014	N/A	N/A
		3	31.41	14AUG2014	N/A	N/A
		1	33.94	18AUG2014	7.69	13AUG2014
		2	33.94	18AUG2014	7.69	13AUG2014
		3	33.92	18AUG2014	7.70	13AUG2014
	20AUG2014	1	34.50	26AUG2014	7.75	26AUG2014
		2	34.50	26AUG2014	7.74	26AUG2014
	15SEP2014	1	34.48	19SEP2014	7.78	22SEP2014
		2	34.40	19SEP2014	7.78	22SEP2014
	01OCT2014	1	31.71	07OCT2014	N/A	N/A
		2	31.77	07OCT2014	N/A	N/A
		3	32.00	07OCT2014	N/A	N/A
		1	34.13	16OCT2014	7.63	17OCT2014
		2	34.16	16OCT2014	7.61	17OCT2014
		1	33.59	16OCT2014	7.49	17OCT2014
		2	33.60	16OCT2014	7.56	17OCT2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mellow	01OCT2014	3	33.62	16OCT2014	7.55	17OCT2014
	04NOV2014	1	34.43	10NOV2014	7.68	12NOV2014
		2	34.54	10NOV2014	7.71	12NOV2014
	08DEC2014	1	33.47	11DEC2014	7.71	12DEC2014
		2	33.42	11DEC2014	7.70	12DEC2014
	06JAN2015	1	32.97	09JAN2015	N/A	N/A
		2	32.76	09JAN2015	N/A	N/A
		3	32.53	09JAN2015	N/A	N/A
		1	33.33	09JAN2015	7.66	09JAN2015
		2	33.31	09JAN2015	7.64	09JAN2015
		1	33.16	09JAN2015	7.58	09JAN2015
		2	33.21	09JAN2015	7.58	09JAN2015
		3	33.07	09JAN2015	7.58	09JAN2015
	09FEB2015	2	33.42	12FEB2015	7.79	12FEB2015
		3	33.69	13FEB2015	N/A	N/A
	04MAR2015	1	34.84	18MAR2015	7.86	10MAR2015
		2	34.70	18MAR2015	7.89	10MAR2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mellow	21APR2015	1	33.78	23APR2015	7.82	23APR2015
		2	33.69	23APR2015	7.82	23APR2015
		1	32.30	01MAY2015	N/A	N/A
		2	32.09	01MAY2015	N/A	N/A
		3	31.77	01MAY2015	N/A	N/A
		1	34.45	11MAY2015	7.81	23APR2015
		2	34.56	11MAY2015	7.81	23APR2015
		3	34.52	11MAY2015	7.82	23APR2015
	13MAY2015	1	34.03	21MAY2015	7.82	20MAY2015
		2	33.97	21MAY2015	7.85	20MAY2015
	01JUN2015	1	34.55	04JUN2015	7.84	04JUN2015
		2	34.52	04JUN2015	7.83	04JUN2015
	06JUL2015	1	34.17	20JUL2015	7.64	20JUL2015
		2	34.19	20JUL2015	7.63	20JUL2015
		1	34.09	28JUL2015	7.85	28JUL2015
		2	34.16	28JUL2015	7.85	28JUL2015
		3	34.17	28JUL2015	7.83	28JUL2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mellow	06JUL2015	1	32.15	06AUG2015	N/A	N/A
		2	32.25	06AUG2015	N/A	N/A
		3	32.36	06AUG2015	N/A	N/A
	06AUG2015	1	34.36	21AUG2015	7.69	21AUG2015
		2	34.40	21AUG2015	7.68	21AUG2015
	08SEP2015	1	34.83	23SEP2015	7.72	24SEP2015
		2	34.81	23SEP2015	7.73	24SEP2015
	12OCT2015	1	34.16	16OCT2015	7.63	16OCT2015
		2	34.13	16OCT2015	7.62	16OCT2015
		1	32.16	20OCT2015	N/A	N/A
		2	31.56	20OCT2015	N/A	N/A
		3	31.92	20OCT2015	N/A	N/A
		1	33.69	22OCT2015	7.50	20OCT2015
		2	33.75	22OCT2015	7.52	20OCT2015
		3	33.72	22OCT2015	7.54	20OCT2015
	02NOV2015	1	34.68	04NOV2015	7.74	04NOV2015
		2	34.69	04NOV2015	7.74	04NOV2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mellow	01DEC2015	1	34.29	09DEC2015	7.71	07DEC2015
		2	34.28	09DEC2015	7.69	07DEC2015
Camel Snus Mint	14JAN2013	1	33.37	24JAN2013	7.70	29JAN2013
		2	33.33	24JAN2013	7.68	29JAN2013
	04FEB2013	1	33.88	08FEB2013	7.60	08FEB2013
		2	33.94	08FEB2013	7.61	08FEB2013
	05FEB2013	1	34.14	13FEB2013	7.55	13FEB2013
		2	34.19	13FEB2013	7.54	13FEB2013
		3	34.12	13FEB2013	7.54	13FEB2013
	20MAR2013	1	33.68	25MAR2013	7.84	22MAR2013
		2	33.60	25MAR2013	7.82	22MAR2013
	17APR2013	1	33.52	30APR2013	N/A	N/A
		2	33.46	30APR2013	N/A	N/A
		3	33.46	30APR2013	N/A	N/A
		1	33.72	30APR2013	7.69	30APR2013
		2	33.87	30APR2013	7.70	30APR2013
		1	33.05	30APR2013	7.66	30APR2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mint	17APR2013	2	32.98	30APR2013	7.65	30APR2013
		3	32.94	30APR2013	7.68	30APR2013
	13MAY2013	1	33.68	20MAY2013	7.81	20MAY2013
		2	33.65	20MAY2013	7.78	20MAY2013
	03JUN2013	1	34.46	11JUN2013	7.77	11JUN2013
		2	34.42	11JUN2013	7.76	11JUN2013
	08JUL2013	1	33.67	17JUL2013	N/A	N/A
		2	33.65	17JUL2013	N/A	N/A
		3	33.63	17JUL2013	N/A	N/A
		1	34.02	17JUL2013	7.58	17JUL2013
		2	34.07	17JUL2013	7.57	17JUL2013
		1	33.70	17JUL2013	7.55	17JUL2013
		2	33.68	17JUL2013	7.55	17JUL2013
		3	33.75	17JUL2013	7.55	17JUL2013
	05AUG2013	1	33.98	14AUG2013	7.57	08AUG2013
		2	34.03	14AUG2013	7.57	08AUG2013
	03SEP2013	1	34.08	09SEP2013	7.79	09SEP2013

N/A= not available



Table 1. Camel Snus Product Data Listing (as is)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mint	03SEP2013	2	33.95	09SEP2013	7.81	09SEP2013
	19OCT2013	1	32.83	28OCT2013	N/A	N/A
		2	33.03	28OCT2013	N/A	N/A
		3	32.89	28OCT2013	N/A	N/A
		1	34.54	28OCT2013	7.54	29OCT2013
		2	34.50	28OCT2013	7.56	29OCT2013
		1	33.83	28OCT2013	7.53	31OCT2013
		2	33.73	28OCT2013	7.51	31OCT2013
		3	33.78	28OCT2013	7.52	31OCT2013
	18NOV2013	1	33.40	20NOV2013	7.77	20NOV2013
		2	33.27	20NOV2013	7.76	20NOV2013
	15JAN2014	1	33.23	23JAN2014	7.65	23JAN2014
		2	33.11	23JAN2014	7.66	23JAN2014
		1	32.91	23JAN2014	7.61	23JAN2014
		2	32.88	23JAN2014	7.62	23JAN2014
		3	32.90	23JAN2014	7.61	23JAN2014
		1	32.31	28JAN2014	N/A	N/A

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mint	15JAN2014	2	32.31	28JAN2014	N/A	N/A
		3	32.84	28JAN2014	N/A	N/A
	17FEB2014	1	32.48	20FEB2014	7.65	20FEB2014
		2	32.51	20FEB2014	7.65	20FEB2014
	25MAR2014	1	32.80	04APR2014	7.59	02APR2014
		2	32.72	04APR2014	7.59	02APR2014
	30APR2014	1	33.58	13MAY2014	7.66	09MAY2014
		2	33.63	13MAY2014	7.67	09MAY2014
	01MAY2014	1	33.70	13MAY2014	7.69	09MAY2014
		2	33.66	13MAY2014	7.70	09MAY2014
		1	33.70	13MAY2014	7.69	09MAY2014
		2	33.50	13MAY2014	7.70	09MAY2014
		3	33.40	13MAY2014	7.71	09MAY2014
		1	31.76	15MAY2014	N/A	N/A
		2	31.20	15MAY2014	N/A	N/A
		3	31.10	15MAY2014	N/A	N/A
	19JUN2014	1	32.16	24JUN2014	7.65	24JUN2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mint	19JUN2014	2	32.26	24JUN2014	7.65	24JUN2014
	30JUL2014	1	34.76	11AUG2014	7.81	07AUG2014
		2	34.67	11AUG2014	7.85	07AUG2014
		1	32.07	14AUG2014	N/A	N/A
		2	32.04	14AUG2014	N/A	N/A
		3	31.91	14AUG2014	N/A	N/A
		1	34.04	18AUG2014	7.80	13AUG2014
		2	34.01	18AUG2014	7.82	13AUG2014
		3	34.11	18AUG2014	7.78	13AUG2014
	01AUG2014	1	33.91	11AUG2014	7.83	07AUG2014
		2	34.08	11AUG2014	7.86	07AUG2014
	08SEP2014	1	34.49	15SEP2014	7.88	22SEP2014
		2	34.52	15SEP2014	7.88	22SEP2014
	15OCT2014	1	33.91	20OCT2014	7.67	04NOV2014
		2	33.97	20OCT2014	7.65	04NOV2014
		1	33.14	23OCT2014	N/A	N/A
		2	32.94	23OCT2014	N/A	N/A

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mint	15OCT2014	3	32.34	23OCT2014	N/A	N/A
		1	34.09	24OCT2014	7.63	04NOV2014
		2	34.03	24OCT2014	7.62	04NOV2014
		3	34.03	24OCT2014	7.63	04NOV2014
	10NOV2014	1	33.73	20NOV2014	7.78	12NOV2014
		2	33.85	20NOV2014	7.78	12NOV2014
	01DEC2014	1	33.62	11DEC2014	7.68	12DEC2014
		2	33.70	11DEC2014	7.67	12DEC2014
	08JAN2015	1	33.18	15JAN2015	7.72	15JAN2015
		2	33.20	15JAN2015	7.72	15JAN2015
		1	33.01	15JAN2015	7.68	15JAN2015
		2	32.96	15JAN2015	7.65	15JAN2015
		3	33.03	15JAN2015	7.65	15JAN2015
		1	31.79	16JAN2015	N/A	N/A
		2	31.49	16JAN2015	N/A	N/A
		3	31.73	16JAN2015	N/A	N/A
	12FEB2015	1	33.34	23FEB2015	7.88	24FEB2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mint	12FEB2015	2	33.36	23FEB2015	7.85	24FEB2015
	03MAR2015	1	33.95	18MAR2015	7.96	10MAR2015
		2	33.96	18MAR2015	7.94	10MAR2015
	01APR2015	1	31.53	09APR2015	N/A	N/A
		2	31.80	09APR2015	N/A	N/A
		3	31.58	09APR2015	N/A	N/A
		1	33.14	14APR2015	7.90	13APR2015
		2	33.14	14APR2015	7.91	13APR2015
		1	33.37	14APR2015	7.90	13APR2015
		2	33.35	14APR2015	7.89	13APR2015
		3	33.27	14APR2015	7.88	13APR2015
	26MAY2015	1	34.42	01JUN2015	7.85	01JUN2015
		2	34.45	01JUN2015	7.83	01JUN2015
	24JUN2015	1	34.02	06JUL2015	8.10	06JUL2015
		2	34.03	06JUL2015	8.06	06JUL2015
	10JUL2015	1	34.32	28AUG2015	7.69	02SEP2015
		2	34.39	28AUG2015	7.69	02SEP2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mint	15JUL2015	1	34.32	20JUL2015	7.89	03AUG2015
		2	34.41	20JUL2015	7.83	03AUG2015
		1	34.30	31JUL2015	7.48	08SEP2015
		2	34.30	31JUL2015	7.46	08SEP2015
		3	34.25	31JUL2015	7.46	08SEP2015
		1	32.04	06AUG2015	N/A	N/A
		2	32.09	06AUG2015	N/A	N/A
		3	31.95	06AUG2015	N/A	N/A
	02SEP2015	1	34.42	10SEP2015	7.83	21SEP2015
		2	34.27	10SEP2015	7.82	21SEP2015
	05OCT2015	1	31.17	09OCT2015	N/A	N/A
		2	31.15	09OCT2015	N/A	N/A
		3	31.31	09OCT2015	N/A	N/A
		1	33.85	09OCT2015	7.72	09OCT2015
		2	33.89	09OCT2015	7.67	09OCT2015
		1	33.75	09OCT2015	7.69	09OCT2015
		2	33.75	09OCT2015	7.70	09OCT2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Mint	05OCT2015	3	33.76	09OCT2015	7.69	09OCT2015
	09NOV2015	1	33.70	01DEC2015	7.71	01DEC2015
		2	33.56	01DEC2015	7.70	01DEC2015
Camel Snus Robust	28FEB2013	1	33.83	08MAR2013	7.62	11MAR2013
		2	33.74	08MAR2013	7.61	11MAR2013
		1	33.58	08MAR2013	7.62	11MAR2013
		2	33.59	08MAR2013	7.61	11MAR2013
		3	33.65	08MAR2013	7.61	11MAR2013
	01MAR2013	1	33.87	08MAR2013	7.61	11MAR2013
		2	33.89	08MAR2013	7.61	11MAR2013
	11APR2013	1	33.56	22APR2013	N/A	N/A
		2	33.45	22APR2013	N/A	N/A
		3	33.47	22APR2013	N/A	N/A
		1	33.46	22APR2013	7.66	22APR2013
		2	33.46	22APR2013	7.65	22APR2013
		1	33.24	22APR2013	7.70	22APR2013
		2	33.30	22APR2013	7.67	22APR2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Robust	11APR2013	3	33.07	22APR2013	7.67	22APR2013
	20MAY2013	1	34.69	31MAY2013	7.89	31MAY2013
		2	34.65	31MAY2013	7.86	31MAY2013
	07JUN2013	1	34.82	11JUN2013	7.75	11JUN2013
		2	34.79	11JUN2013	7.76	11JUN2013
	01OCT2013	1	33.14	15OCT2013	N/A	N/A
		2	32.86	15OCT2013	N/A	N/A
		3	33.27	15OCT2013	N/A	N/A
		1	34.99	17OCT2013	7.87	14OCT2013
		2	34.97	17OCT2013	7.88	14OCT2013
		1	34.57	17OCT2013	7.87	14OCT2013
		2	34.54	17OCT2013	7.88	14OCT2013
		3	34.50	17OCT2013	7.87	14OCT2013
	14NOV2013	1	33.87	18NOV2013	7.84	18NOV2013
		2	33.78	18NOV2013	7.84	18NOV2013
	27JAN2014	1	33.04	04FEB2014	7.68	04FEB2014
		2	33.03	04FEB2014	7.68	04FEB2014

N/A= not available



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Robust	27JAN2014	1	33.10	04FEB2014	7.65	04FEB2014
		2	33.15	04FEB2014	7.64	04FEB2014
		3	33.10	04FEB2014	7.64	04FEB2014
		1	32.87	05FEB2014	N/A	N/A
		2	32.72	05FEB2014	N/A	N/A
		3	32.58	05FEB2014	N/A	N/A
	24FEB2014	1	34.10	05MAR2014	7.68	05MAR2014
		2	34.04	05MAR2014	7.68	05MAR2014
	17MAR2014	1	33.50	19MAR2014	7.63	19MAR2014
		2	33.51	19MAR2014	7.62	19MAR2014
	14APR2014	1	34.16	23APR2014	7.63	23APR2014
		2	34.00	23APR2014	7.63	23APR2014
		1	33.75	23APR2014	7.66	23APR2014
		2	33.82	23APR2014	7.62	23APR2014
		3	33.81	23APR2014	7.61	23APR2014
		1	32.50	28APR2014	N/A	N/A
		2	32.42	28APR2014	N/A	N/A

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Robust	14APR2014	3	31.98	28APR2014	N/A	N/A
	13MAY2014	1	34.27	16MAY2014	7.58	16MAY2014
		2	34.30	16MAY2014	7.55	16MAY2014
	23JUN2014	1	34.29	25JUN2014	7.57	25JUN2014
		2	34.30	25JUN2014	7.57	25JUN2014
	28JUL2014	1	34.42	11AUG2014	7.61	07AUG2014
		2	34.44	11AUG2014	7.59	07AUG2014
		1	32.43	14AUG2014	N/A	N/A
		2	32.51	14AUG2014	N/A	N/A
		3	32.49	14AUG2014	N/A	N/A
		1	34.10	18AUG2014	7.62	07AUG2014
		2	34.11	18AUG2014	7.60	07AUG2014
		3	34.14	18AUG2014	7.58	07AUG2014
	01AUG2014	1	34.44	11AUG2014	7.55	07AUG2014
		2	34.38	11AUG2014	7.55	07AUG2014
	18SEP2014	1	34.57	25SEP2014	7.54	25SEP2014
		2	34.48	25SEP2014	7.52	25SEP2014

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Robust	22OCT2014	1	33.71	03NOV2014	7.73	04NOV2014
		2	33.80	03NOV2014	7.76	04NOV2014
		1	33.67	03NOV2014	7.71	04NOV2014
		2	33.63	03NOV2014	7.71	04NOV2014
		3	33.60	03NOV2014	7.71	04NOV2014
		1	31.73	06NOV2014	N/A	N/A
		2	31.66	06NOV2014	N/A	N/A
		3	31.97	06NOV2014	N/A	N/A
	23JAN2015	1	32.67	28JAN2015	N/A	N/A
		2	32.17	28JAN2015	N/A	N/A
		3	31.87	28JAN2015	N/A	N/A
		1	33.66	28JAN2015	7.85	28JAN2015
		2	33.70	28JAN2015	7.89	28JAN2015
		1	33.66	28JAN2015	7.86	28JAN2015
		2	33.58	28JAN2015	7.89	28JAN2015
		3	33.71	28JAN2015	7.86	28JAN2015
	16FEB2015	1	33.33	23FEB2015	7.84	24FEB2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Robust	16FEB2015	2	33.17	23FEB2015	7.81	24FEB2015
	09MAR2015	1	34.30	19MAR2015	7.82	17MAR2015
		2	34.32	19MAR2015	7.76	17MAR2015
	17APR2015	1	32.77	22APR2015	N/A	N/A
		2	32.58	22APR2015	N/A	N/A
		3	32.43	22APR2015	N/A	N/A
		1	34.36	23APR2015	7.87	23APR2015
		2	34.28	23APR2015	7.83	23APR2015
		1	34.42	23APR2015	7.87	23APR2015
		2	34.27	23APR2015	7.86	23APR2015
		3	34.33	23APR2015	7.88	23APR2015
	13MAY2015	1	34.27	21MAY2015	7.80	20MAY2015
		2	34.29	21MAY2015	7.77	20MAY2015
	02JUN2015	1	34.70	04JUN2015	7.70	04JUN2015
		2	34.84	04JUN2015	7.69	04JUN2015
	20JUL2015	1	33.03	07AUG2015	N/A	N/A
		2	32.85	07AUG2015	N/A	N/A

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Robust	20JUL2015	3	32.78	07AUG2015	N/A	N/A
		1	34.42	07AUG2015	7.84	06AUG2015
		2	34.40	07AUG2015	7.83	06AUG2015
		1	34.16	10SEP2015	7.59	08SEP2015
		2	34.10	10SEP2015	7.58	08SEP2015
		3	34.01	10SEP2015	7.58	08SEP2015
	08SEP2015	1	34.87	23SEP2015	7.74	24SEP2015
		2	34.80	23SEP2015	7.75	24SEP2015
	05OCT2015	1	31.74	09OCT2015	N/A	N/A
		2	32.06	09OCT2015	N/A	N/A
		3	32.27	09OCT2015	N/A	N/A
		1	34.70	09OCT2015	7.59	09OCT2015
		2	34.65	09OCT2015	7.59	09OCT2015
		1	34.60	09OCT2015	7.57	09OCT2015
		2	34.61	09OCT2015	7.57	09OCT2015
		3	34.66	09OCT2015	7.56	09OCT2015
	02NOV2015	1	34.55	04NOV2015	7.80	04NOV2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Robust	02NOV2015	2	34.56	04NOV2015	7.79	04NOV2015
	14DEC2015	1	34.97	29DEC2015	7.63	28DEC2015
Camel Snus Winterchill	26JAN2013	2	34.96	29DEC2015	7.64	28DEC2015
		1	33.62	06FEB2013	7.75	04FEB2013
	04FEB2013	2	33.72	06FEB2013	7.76	04FEB2013
		1	33.42	08FEB2013	7.72	08FEB2013
		2	33.60	08FEB2013	7.73	08FEB2013
		1	33.46	13FEB2013	7.59	13FEB2013
		2	33.51	13FEB2013	7.59	13FEB2013
		3	33.45	13FEB2013	7.61	13FEB2013
	04MAR2013	1	33.39	08MAR2013	7.71	11MAR2013
	01APR2013	2	33.22	08MAR2013	7.72	11MAR2013
		1	32.11	05APR2013	N/A	N/A
		2	32.16	05APR2013	N/A	N/A
		3	31.70	05APR2013	N/A	N/A
		1	33.23	05APR2013	7.79	03APR2013
		2	33.32	05APR2013	7.75	03APR2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Winterchill	01APR2013	1	33.31	05APR2013	7.62	09APR2013
		2	33.17	05APR2013	7.63	09APR2013
		3	33.12	05APR2013	7.64	09APR2013
	01MAY2013	1	34.23	20MAY2013	7.79	20MAY2013
		2	34.10	20MAY2013	7.76	20MAY2013
	04JUN2013	1	34.16	07JUN2013	7.69	07JUN2013
		2	34.05	07JUN2013	7.70	07JUN2013
	08JUL2013	1	33.73	17JUL2013	N/A	N/A
		2	33.74	17JUL2013	N/A	N/A
		3	33.79	17JUL2013	N/A	N/A
		1	34.50	17JUL2013	7.72	17JUL2013
		2	34.59	17JUL2013	7.73	17JUL2013
		1	33.96	17JUL2013	7.71	17JUL2013
		2	33.93	17JUL2013	7.71	17JUL2013
		3	33.87	17JUL2013	7.68	17JUL2013
	05AUG2013	1	34.21	14AUG2013	7.64	08AUG2013
		2	34.20	14AUG2013	7.63	08AUG2013

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Winterchill	23SEP2013	1	33.28	26SEP2013	7.65	26SEP2013
		2	33.21	26SEP2013	7.66	26SEP2013
	28OCT2013	1	33.62	31OCT2013	7.73	31OCT2013
		2	33.63	31OCT2013	7.74	31OCT2013
		1	32.36	04NOV2013	N/A	N/A
		2	32.38	04NOV2013	N/A	N/A
		3	31.92	04NOV2013	N/A	N/A
		1	33.74	05NOV2013	7.69	05NOV2013
		2	33.75	05NOV2013	7.70	05NOV2013
		3	33.73	05NOV2013	7.69	05NOV2013
	01NOV2013	1	33.11	05NOV2013	7.73	05NOV2013
		2	33.32	05NOV2013	7.72	05NOV2013
	02DEC2013	1	33.08	05DEC2013	7.70	05DEC2013
		2	33.20	05DEC2013	7.70	05DEC2013
	06JAN2014	1	31.96	09JAN2014	N/A	N/A
		2	32.27	09JAN2014	N/A	N/A
		3	32.36	09JAN2014	N/A	N/A

N/A= not available



Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Winterchill	06JAN2014	1	33.59	09JAN2014	7.60	09JAN2014
		2	33.55	09JAN2014	7.59	09JAN2014
		1	33.13	09JAN2014	7.60	09JAN2014
		2	33.09	09JAN2014	7.60	09JAN2014
		3	33.09	09JAN2014	7.59	09JAN2014
	04FEB2014	1	33.01	10FEB2014	7.71	10FEB2014
		2	33.02	10FEB2014	7.71	10FEB2014
	11MAR2014	1	33.27	19MAR2014	7.71	14MAR2014
		2	33.29	19MAR2014	7.70	14MAR2014
	07APR2014	1	33.00	17APR2014	7.50	23APR2014
		2	33.05	17APR2014	7.50	23APR2014
		1	33.21	17APR2014	7.49	23APR2014
		2	33.25	17APR2014	7.48	23APR2014
		3	33.26	17APR2014	7.48	23APR2014
		1	31.45	21APR2014	N/A	N/A
		2	31.57	21APR2014	N/A	N/A
		3	31.68	21APR2014	N/A	N/A

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Winterchill	05MAY2014	1	35.24	13MAY2014	7.44	09MAY2014
		2	35.16	13MAY2014	7.44	09MAY2014
	06JUN2014	1	34.36	13JUN2014	7.59	13JUN2014
		2	34.36	13JUN2014	7.59	13JUN2014
	14JUL2014	1	32.94	23JUL2014	N/A	N/A
		2	32.70	23JUL2014	N/A	N/A
		3	33.14	23JUL2014	N/A	N/A
		1	34.06	23JUL2014	7.77	23JUL2014
		2	33.82	23JUL2014	7.77	23JUL2014
		1	33.97	23JUL2014	7.76	23JUL2014
		2	33.92	23JUL2014	7.76	23JUL2014
		3	33.90	23JUL2014	7.77	23JUL2014
	18AUG2014	1	34.57	26AUG2014	7.77	26AUG2014
		2	34.62	26AUG2014	7.80	26AUG2014
	23SEP2014	1	33.96	25SEP2014	7.84	25SEP2014
		2	33.98	25SEP2014	7.84	25SEP2014
	01OCT2014	1	32.86	07OCT2014	N/A	N/A

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Winterchill	01OCT2014	2	33.15	07OCT2014	N/A	N/A
		3	32.72	07OCT2014	N/A	N/A
		1	34.78	16OCT2014	7.69	17OCT2014
		2	34.69	16OCT2014	7.70	17OCT2014
		1	34.11	16OCT2014	7.61	17OCT2014
		2	34.05	16OCT2014	7.64	17OCT2014
		3	34.12	16OCT2014	7.64	17OCT2014
	10NOV2014	1	33.69	20NOV2014	7.73	12NOV2014
		2	33.67	20NOV2014	7.70	12NOV2014
	08DEC2014	1	33.16	11DEC2014	7.71	12DEC2014
		2	33.23	11DEC2014	7.71	12DEC2014
	06JAN2015	1	32.89	09JAN2015	N/A	N/A
		2	32.28	09JAN2015	N/A	N/A
		3	32.06	09JAN2015	N/A	N/A
		1	33.70	09JAN2015	7.81	09JAN2015
		2	33.76	09JAN2015	7.78	09JAN2015
		1	33.47	09JAN2015	7.73	09JAN2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Winterchill	06JAN2015	2	33.52	09JAN2015	7.74	09JAN2015
		3	33.52	09JAN2015	7.73	09JAN2015
	11FEB2015	1	32.94	23FEB2015	7.89	24FEB2015
		2	32.97	23FEB2015	7.88	24FEB2015
	23MAR2015	1	33.83	01APR2015	7.98	30MAR2015
		2	33.85	01APR2015	7.96	30MAR2015
	13APR2015	1	31.48	20APR2015	N/A	N/A
		2	31.41	20APR2015	N/A	N/A
		3	31.46	20APR2015	N/A	N/A
		1	33.78	23APR2015	7.94	15APR2015
		2	33.82	23APR2015	7.91	15APR2015
		1	33.84	23APR2015	7.99	23APR2015
		2	33.85	23APR2015	7.94	23APR2015
		3	33.81	23APR2015	7.92	23APR2015
	19MAY2015	1	34.08	01JUN2015	7.73	01JUN2015
		2	34.10	01JUN2015	7.73	01JUN2015
	03JUN2015	1	34.42	15JUN2015	8.09	12JUN2015

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Winterchill	03JUN2015	2	34.41	15JUN2015	8.07	12JUN2015
	08JUL2015	1	33.92	28JUL2015	7.92	28JUL2015
		2	33.92	28JUL2015	7.95	28JUL2015
		3	33.90	28JUL2015	7.91	28JUL2015
		1	32.46	06AUG2015	N/A	N/A
		2	32.57	06AUG2015	N/A	N/A
		3	32.38	06AUG2015	N/A	N/A
		1	33.57	10AUG2015	7.85	06AUG2015
		2	33.64	10AUG2015	7.85	06AUG2015
	25AUG2015	1	34.72	28AUG2015	7.50	11SEP2015
		2	34.79	28AUG2015	7.49	11SEP2015
	21SEP2015	1	34.13	01OCT2015	7.85	24SEP2015
		2	33.97	01OCT2015	7.87	24SEP2015
	12OCT2015	1	33.98	16OCT2015	7.81	16OCT2015
		2	33.96	16OCT2015	7.80	16OCT2015
		1	32.99	20OCT2015	N/A	N/A
		2	32.74	20OCT2015	N/A	N/A

N/A= not available

Table 1. Camel Snus Product Data Listing (as is)(cont'd)

Snus Product	Manufacture Date	Replicate	Moisture Analysis		pH Analysis	
			Moisture (%)	Completed Analysis Date	pH	Completed Analysis Date
Camel Snus Winterchill	12OCT2015	3	33.31	20OCT2015	N/A	N/A
		1	33.87	22OCT2015	7.63	20OCT2015
		2	33.89	22OCT2015	7.63	20OCT2015
		3	34.00	22OCT2015	7.64	20OCT2015
	09NOV2015	1	33.17	13NOV2015	7.63	12NOV2015
		2	33.05	13NOV2015	7.62	12NOV2015
	07DEC2015	1	33.90	09DEC2015	7.73	16DEC2015
		2	33.79	09DEC2015	7.72	16DEC2015

N/A= not available

Table 2. Snus Product Descriptive Data (as is)

Analyte	Camel Snus Frost (2013 - 2015)				Camel Snus Frost Large (2013 - 2015)			
	Mean	Minimum	Maximum	Replicates (n)	Mean	Minimum	Maximum	Replicates (n)
Nicotine (mg/g)	10.1	7.5	11.9	108	10.2	7.8	12.4	97
% Un-ionized (free) Nicotine	34.2	22.8	47.7	108	33.4	19.0	50.0	97
Total Free Nicotine (mg/g)	3.4	2.3	5.1	108	3.4	1.8	5.7	97
Moisture (%)	33.3	30.7	34.8	141	33.3	30.7	35.1	130
pH	7.7	7.5	8.0	108	7.7	7.4	8.0	97
Acetaldehyde (ng/g)	1417†	867	2470	36	1484*	941	2430	33
Crotonaldehyde (ng/g)	626†	518*	810	36	712*	504*	898*	33
Formaldehyde (ng/g)	1340†	677	3270	36	886*	642*	1170*	33
Arsenic (ng/g)	77.5	52.4	106.6	72	77.6	56.3	102.6	69
Cadmium (ng/g)	404	367	467	72	422	371	482	69
NNN (ng/g)	1119	661	1490	78	1190	905	1660	72
NNK (ng/g)	328	143	580	78	330	185	568	72
NAT (ng/g)	401	207	527	78	410	274	531	72
NAB (ng/g)	55.0	22.4	100.0	78	56.8	34.0	91.5	72
B(a)P (ng/g)	1.0†	0.7*	1.7	72	1.2*	0.8	2.5	72

NNN = N'nitrosonornicotine NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone NAT= N'nitrosoanatabine NAB = N'nitrosoanabasine B(a)P = benzo(a)pyrene

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

†Indicates that at least one replicate value was below the Limit of Quantification (LOQ). For values below the LOQ, the LOQ was used to calculate the mean.

Table 2.Snus Product Descriptive Data (as is)(cont'd)

Analyte	Camel Snus Mellow (2013 - 2015)				Camel Snus Mint (2013 - 2015)			
	Mean	Minimum	Maximum	Replicates (n)	Mean	Minimum	Maximum	Replicates (n)
Nicotine (mg/g)	9.9	7.3	12.3	108	9.8	6.7	11.6	112
Un-ionized (free) Nicotine (%)	31.0	19.7	42.6	104	32.9	21.6	54.6	100
Total Free Nicotine (mg/g)	3.1	1.8	4.8	104	3.3	1.9	5.8	100
Moisture (%)	33.4	30.9	34.8	139	33.4	31.1	34.8	137
pH	7.7	7.4	7.9	105	7.7	7.5	8.1	104
Acetaldehyde (ng/g)	1637	921	2700	36	1485†	892*	2510	36
Crotonaldehyde (ng/g)	642†	523*	869	36	629†	539*	787*	36
Formaldehyde (ng/g)	1279†	687*	2510	36	1136†	732	2180	36
Arsenic (ng/g)	78.2	55.2	102.1	72	77.3	54.5	109.3	74
Cadmium (ng/g)	401	359	482	72	399	357	446	72
NNN (ng/g)	1092	875	1300	72	1275	794	2040	77
NNK (ng/g)	314	182	551	72	357	130	589	77
NAT (ng/g)	404	255	522	72	409	255	554	77
NAB (ng/g)	55.3	35.8	90.6	72	66.7	26.6	141.0	77
B(a)P (ng/g)	1.0†	0.7*	1.3	72	1.0†	0.7*	1.4	72

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB = N'nitrosoanabesine, B(a)P = benzo(a)pyrene

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

†Indicates that at least one replicate value was below the Limit of Quantification (LOQ). For values below the LOQ, the LOQ was used to calculate the mean.



Table 2.Snus Product Descriptive Data (as is)(cont'd)

Analyte	Camel Snus Robust (2013 - 2015)				Camel Snus Winterchill (2013 - 2015)			
	Mean	Minimum	Maximum	Replicates (n)	Mean	Minimum	Maximum	Replicates (n)
Nicotine (mg/g)	9.3	6.1	11.4	93	9.4	7.1	11.1	108
Un-ionized (free) Nicotine (%)	33.1	24.0	42.6	85	33.7	20.8	54.0	108
Total Free Nicotine (mg/g)	3.1	1.9	4.7	85	3.2	1.9	5.3	108
Moisture (%)	33.7	31.7	35.0	119	33.4	31.4	35.2	141
pH	7.7	7.5	7.9	89	7.7	7.4	8.1	108
Acetaldehyde (ng/g)	1572†	909	2640	33	1291†	610	2600	36
Crotonaldehyde (ng/g)	705†	464*	857*	33	670†	373*	821*	36
Formaldehyde (ng/g)	900†	646*	1240	33	937†	557	1790	36
Arsenic (ng/g)	75.3	51.7	104.1	66	75.0	47.3	102.0	72
Cadmium (ng/g)	391	345	444	66	395	339	464	72
NNN (ng/g)	1018	621	1380	69	1111	805	1600	72
NNK (ng/g)	316	120	535	69	342	191	605	72
NAT (ng/g)	365	199	496	69	403	302	579	72
NAB (ng/g)	52.0	23.4	93.2	69	56.0	37.6	104.0	72
B(a)P (ng/g)	1.1†	0.8	1.6	66	1.1†	0.8	1.4	72

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB = N'nitrosoanabasine, B(a)P = benzo(a)pyrene

\*indicates value below Limit of Quantification (LOQ). LOQ was used as value in these tables.

†Indicates that at least one replicate value was below the Limit of Quantification (LOQ). For values below the LOQ, the LOQ was used to calculate the mean.

Table 3. Range of Product Means Observed for Three (0.6 gram) Camel Snus Styles (Frost, Mellow and Mint)  
Values are per unit using nominal weight

Analyte	0.6 gram Snus Styles: Frost, Mellow and Mint		
	Mean	Minimum	Maximum
Nicotine (mg)	6.0	5.9	6.0
Un-ionized (free) Nicotine (%)	32.7	31.0	34.2
Total Free Nicotine (mg)	2.0	1.9	2.1
Moisture (%)	33.4	33.3	33.4
pH	7.7	7.7	7.7
Acetaldehyde (ng)	908†	850†	982
Crotonaldehyde (ng)	380†	376†	385†
Formaldehyde (ng)	751†	682†	804†
Arsenic (ng)	46.6	46.4	46.9
Cadmium (ng)	241	239	242
NNN (ng)	697	655	765
NNK (ng)	200	188	214
NAT (ng)	243	241	245
NAB (ng)	35.4	33.0	40.0
B(a)P (ng)	0.6†	0.6†	0.6†

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB = N'nitrosoanabasine, B(a)P = benzo(a)pyrene

†Indicates that at least one replicate value was below the Limit of Quantification (LOQ). For values below the LOQ, the LOQ was used to calculate the mean and the corresponding minimum and maximum values.

Table 4. Range of Product Means Observed for Three (1.0 gram) Camel Snus Styles (Frost Large, Robust and Winterchill)  
Values are per unit using nominal weight

Analyte	1.0 gram Snus Styles (Frost Large, Robust and Winterchill)		
	Mean	Minimum	Maximum
Nicotine (mg)	9.6	9.3	10.2
Un-ionized (free) Nicotine (%)	33.4	33.1	33.7
Total Free Nicotine (mg)	3.2	3.1	3.4
Moisture (%)	33.5	33.3	33.7
pH	7.7	7.7	7.7
Acetaldehyde (ng)	1449†	1291†	1572†
Crotonaldehyde (ng)	695†	670†	712†
Formaldehyde (ng)	908†	886†	937†
Arsenic (ng)	76.0	75.0	77.6
Cadmium (ng)	402	391	422
NNN (ng)	1106	1018	1190
NNK (ng)	329	316	342
NAT (ng)	393	365	410
NAB (ng)	54.9	52.0	56.8
B(a)P (ng)	1.1†	1.1†	1.2†

NNN = N'nitrosornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB = N'nitrosoanabasine, B(a)P = benzo(a)pyrene

†Indicates that at least one replicate value was below the Limit of Quantification (LOQ). For values below the LOQ, the LOQ was used to calculate the mean and the corresponding minimum and maximum values.

Table 5. Laboratory QC Data Listing (as is)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	20.04	N/A	N/A	02JAN2013
	2	20.04	N/A	N/A	02JAN2013
	3	20.00	N/A	N/A	02JAN2013
	1	19.76	N/A	N/A	03JAN2013
	2	19.68	N/A	N/A	04JAN2013
	3	19.69	N/A	N/A	04JAN2013
	1	20.24	N/A	N/A	08JAN2013
	2	20.09	N/A	N/A	09JAN2013
	3	20.14	N/A	N/A	09JAN2013
	1	18.49	0.125	0.800	09JAN2013
	2	18.09	0.125	0.800	09JAN2013
	3	18.49	0.125	0.845	09JAN2013
	1	19.85	N/A	N/A	11JAN2013
	2	19.71	N/A	N/A	11JAN2013
	3	19.71	N/A	N/A	11JAN2013
	1	19.25	0.120	0.868	14JAN2013
	2	19.06	0.120	0.842	14JAN2013
	3	19.36	0.124	0.871	14JAN2013
	1	19.85	N/A	N/A	15JAN2013
	2	19.18	N/A	N/A	15JAN2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.27	N/A	N/A	15JAN2013
	1	18.90	0.120	0.827	15JAN2013
	2	18.88	0.124	0.823	15JAN2013
	3	18.53	0.125	0.833	15JAN2013
	1	18.65	N/A	N/A	16JAN2013
	2	19.08	N/A	N/A	16JAN2013
	3	18.74	N/A	N/A	16JAN2013
	1	18.74	N/A	N/A	17JAN2013
	2	18.45	N/A	N/A	17JAN2013
	3	18.79	N/A	N/A	17JAN2013
	1	20.33	N/A	N/A	22JAN2013
	2	20.24	N/A	N/A	22JAN2013
	3	20.29	N/A	N/A	22JAN2013
	1	18.54	0.115	0.794	28JAN2013
	2	18.69	0.120	0.829	28JAN2013
	3	18.58	0.120	0.814	28JAN2013
	1	18.84	N/A	N/A	29JAN2013
	2	18.98	N/A	N/A	29JAN2013
	3	18.94	N/A	N/A	29JAN2013
	1	19.00	0.120	0.895	30JAN2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.05	0.120	0.860	30JAN2013
	3	19.12	0.120	0.885	30JAN2013
	1	18.79	N/A	N/A	31JAN2013
	2	18.94	N/A	N/A	31JAN2013
	3	18.79	N/A	N/A	31JAN2013
	1	18.70	N/A	N/A	01FEB2013
	2	18.41	N/A	N/A	01FEB2013
	3	18.70	N/A	N/A	01FEB2013
	1	18.94	0.125	0.785	04FEB2013
	2	18.26	0.125	0.870	04FEB2013
	3	18.93	0.130	0.795	04FEB2013
	1	18.02	N/A	N/A	05FEB2013
	2	18.45	N/A	N/A	05FEB2013
	3	18.65	N/A	N/A	05FEB2013
	1	18.60	N/A	N/A	06FEB2013
	2	18.17	N/A	N/A	06FEB2013
	3	18.74	N/A	N/A	06FEB2013
	1	18.94	N/A	N/A	08FEB2013
	2	18.45	N/A	N/A	08FEB2013
	3	18.41	N/A	N/A	08FEB2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	18.31	N/A	N/A	12FEB2013
	3	18.26	N/A	N/A	12FEB2013
	1	18.31	N/A	N/A	12FEB2013
	1	19.81	0.129	0.877	14FEB2013
	2	19.37	0.134	0.877	14FEB2013
	3	19.57	0.129	0.887	14FEB2013
	1	19.49	N/A	N/A	15FEB2013
	2	19.19	N/A	N/A	15FEB2013
	3	19.15	N/A	N/A	15FEB2013
	1	19.15	N/A	N/A	18FEB2013
	3	19.15	N/A	N/A	18FEB2013
	2	18.95	N/A	N/A	18FEB2013
	1	19.00	N/A	N/A	19FEB2013
	2	18.95	N/A	N/A	19FEB2013
	3	18.95	N/A	N/A	19FEB2013
	1	18.65	N/A	N/A	20FEB2013
	2	18.65	N/A	N/A	20FEB2013
	3	18.75	N/A	N/A	20FEB2013
	1	18.75	N/A	N/A	21FEB2013
	2	18.75	N/A	N/A	21FEB2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	18.80	N/A	N/A	21FEB2013
	1	18.85	N/A	N/A	21FEB2013
	2	18.80	N/A	N/A	21FEB2013
	3	18.80	N/A	N/A	21FEB2013
	1	19.00	N/A	N/A	25FEB2013
	2	18.95	N/A	N/A	25FEB2013
	3	18.95	N/A	N/A	25FEB2013
	1	19.90	0.120	0.859	25FEB2013
	2	19.29	0.120	0.854	25FEB2013
	3	19.87	0.125	0.879	25FEB2013
	1	19.00	N/A	N/A	28FEB2013
	2	19.29	N/A	N/A	28FEB2013
	3	19.00	N/A	N/A	28FEB2013
	1	18.95	N/A	N/A	28FEB2013
	2	19.00	N/A	N/A	28FEB2013
	3	19.29	N/A	N/A	28FEB2013
	1	18.90	N/A	N/A	01MAR2013
	2	19.19	N/A	N/A	01MAR2013
	3	19.00	N/A	N/A	01MAR2013
	1	19.15	N/A	N/A	05MAR2013

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.19	N/A	N/A	05MAR2013
	3	19.15	N/A	N/A	05MAR2013
	1	19.00	N/A	N/A	06MAR2013
	2	19.34	N/A	N/A	06MAR2013
	3	19.15	N/A	N/A	06MAR2013
	1	18.85	N/A	N/A	07MAR2013
	2	19.05	N/A	N/A	07MAR2013
	3	19.05	N/A	N/A	07MAR2013
	1	19.29	N/A	N/A	08MAR2013
	2	19.15	N/A	N/A	08MAR2013
	3	19.19	N/A	N/A	08MAR2013
	1	19.64	N/A	N/A	12MAR2013
	2	20.13	N/A	N/A	12MAR2013
	3	20.25	N/A	N/A	12MAR2013
	1	19.98	N/A	N/A	14MAR2013
	3	19.59	N/A	N/A	14MAR2013
	1	19.89	N/A	N/A	14MAR2013
	2	19.69	N/A	N/A	14MAR2013
	3	19.49	N/A	N/A	14MAR2013
	1	19.17	0.129	0.867	14MAR2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.22	0.129	0.845	14MAR2013
	3	19.20	0.124	0.841	14MAR2013
	2	19.49	N/A	N/A	15MAR2013
	1	19.54	N/A	N/A	19MAR2013
	2	19.05	N/A	N/A	19MAR2013
	3	18.95	N/A	N/A	19MAR2013
	1	19.48	0.124	0.867	19MAR2013
	2	19.42	0.119	0.867	19MAR2013
	3	19.45	0.124	0.866	19MAR2013
	1	19.76	0.125	0.865	20MAR2013
	2	19.69	0.120	0.845	20MAR2013
	3	19.75	0.120	0.824	20MAR2013
	1	18.50	N/A	N/A	21MAR2013
	2	19.10	N/A	N/A	21MAR2013
	3	18.60	N/A	N/A	21MAR2013
	1	19.43	0.122	0.810	22MAR2013
	2	19.33	0.116	0.796	22MAR2013
	3	19.45	0.112	0.801	22MAR2013
	1	18.75	N/A	N/A	26MAR2013
	2	18.80	N/A	N/A	26MAR2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	18.70	N/A	N/A	26MAR2013
	1	18.80	N/A	N/A	03APR2013
	2	18.95	N/A	N/A	03APR2013
	3	18.85	N/A	N/A	03APR2013
	1	18.95	N/A	N/A	04APR2013
	2	18.95	N/A	N/A	04APR2013
	3	18.47	N/A	N/A	04APR2013
	1	19.93	0.115	0.918	04APR2013
	2	19.65	0.122	0.937	04APR2013
	3	19.76	0.114	0.847	04APR2013
	1	18.70	N/A	N/A	10APR2013
	2	18.85	N/A	N/A	10APR2013
	3	18.75	N/A	N/A	10APR2013
	2	18.90	N/A	N/A	12APR2013
	1	18.93	N/A	N/A	15APR2013
	3	18.91	N/A	N/A	15APR2013
	1	19.00	N/A	N/A	17APR2013
	2	19.00	N/A	N/A	17APR2013
	3	18.75	N/A	N/A	17APR2013
	1	19.11	0.116	0.902	19APR2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.17	0.112	0.868	19APR2013
	3	19.16	0.112	0.881	19APR2013
	1	19.04	N/A	N/A	23APR2013
	2	19.01	N/A	N/A	23APR2013
	3	19.05	N/A	N/A	23APR2013
	1	18.59	N/A	N/A	24APR2013
	2	18.11	N/A	N/A	24APR2013
	3	18.09	N/A	N/A	24APR2013
	1	18.36	N/A	N/A	25APR2013
	2	18.40	N/A	N/A	25APR2013
	3	18.15	N/A	N/A	25APR2013
	1	19.92	0.126	0.855	25APR2013
	2	19.55	0.127	0.833	25APR2013
	3	19.51	0.126	0.830	25APR2013
	1	18.59	N/A	N/A	29APR2013
	2	18.43	N/A	N/A	29APR2013
	3	18.85	N/A	N/A	29APR2013
	1	18.37	N/A	N/A	01MAY2013
	2	18.74	N/A	N/A	01MAY2013
	3	18.75	N/A	N/A	01MAY2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.10	N/A	N/A	02MAY2013
	2	18.57	N/A	N/A	02MAY2013
	3	18.60	N/A	N/A	02MAY2013
	1	18.18	N/A	N/A	02MAY2013
	2	18.10	N/A	N/A	03MAY2013
	3	18.57	N/A	N/A	03MAY2013
	1	18.11	N/A	N/A	07MAY2013
	2	18.44	N/A	N/A	07MAY2013
	3	18.24	N/A	N/A	07MAY2013
	1	18.23	N/A	N/A	08MAY2013
	2	18.31	N/A	N/A	08MAY2013
	3	18.28	N/A	N/A	08MAY2013
	1	18.46	N/A	N/A	08MAY2013
	2	18.03	N/A	N/A	09MAY2013
	3	18.67	N/A	N/A	09MAY2013
	1	19.47	0.126	0.831	09MAY2013
	2	18.67	0.116	0.797	09MAY2013
	3	18.99	0.114	0.791	09MAY2013
	1	18.77	N/A	N/A	10MAY2013
	2	18.80	N/A	N/A	10MAY2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	18.69	N/A	N/A	10MAY2013
	1	18.85	N/A	N/A	10MAY2013
	2	18.59	N/A	N/A	10MAY2013
	3	18.59	N/A	N/A	10MAY2013
	1	18.70	N/A	N/A	15MAY2013
	2	18.71	N/A	N/A	15MAY2013
	3	18.58	N/A	N/A	15MAY2013
	1	18.59	N/A	N/A	15MAY2013
	2	18.41	N/A	N/A	15MAY2013
	1	18.80	N/A	N/A	16MAY2013
	3	18.17	N/A	N/A	16MAY2013
	1	18.68	0.117	0.852	16MAY2013
	2	19.28	0.125	0.825	16MAY2013
	3	19.28	0.114	0.830	16MAY2013
	2	18.52	N/A	N/A	17MAY2013
	3	17.78	N/A	N/A	17MAY2013
	1	18.31	N/A	N/A	17MAY2013
	2	17.96	N/A	N/A	17MAY2013
	3	18.59	N/A	N/A	17MAY2013
	1	19.10	N/A	N/A	20MAY2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	18.64	N/A	N/A	20MAY2013
	3	18.52	N/A	N/A	20MAY2013
	1	18.47	N/A	N/A	21MAY2013
	2	18.44	N/A	N/A	22MAY2013
	3	18.45	N/A	N/A	22MAY2013
	1	18.59	N/A	N/A	22MAY2013
	2	18.82	N/A	N/A	23MAY2013
	3	18.80	N/A	N/A	23MAY2013
	1	19.06	N/A	N/A	28MAY2013
	2	19.05	N/A	N/A	28MAY2013
	3	19.01	N/A	N/A	28MAY2013
	1	19.08	N/A	N/A	29MAY2013
	2	19.07	N/A	N/A	29MAY2013
	3	19.04	N/A	N/A	29MAY2013
	1	18.96	N/A	N/A	29MAY2013
	2	18.88	N/A	N/A	30MAY2013
	3	18.80	N/A	N/A	30MAY2013
	1	18.91	N/A	N/A	30MAY2013
	2	19.05	N/A	N/A	30MAY2013
	3	18.60	N/A	N/A	30MAY2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.72	N/A	N/A	30MAY2013
	2	18.67	N/A	N/A	30MAY2013
	3	18.95	N/A	N/A	30MAY2013
	1	19.29	N/A	N/A	31MAY2013
	2	19.28	N/A	N/A	31MAY2013
	3	18.79	N/A	N/A	31MAY2013
	1	18.87	N/A	N/A	03JUN2013
	2	18.66	N/A	N/A	03JUN2013
	3	18.63	N/A	N/A	03JUN2013
	1	18.73	N/A	N/A	04JUN2013
	2	18.72	N/A	N/A	05JUN2013
	3	17.80	N/A	N/A	05JUN2013
	1	20.12	0.120	0.833	05JUN2013
	2	19.49	0.122	0.827	05JUN2013
	3	20.40	0.122	0.832	05JUN2013
	1	18.49	N/A	N/A	07JUN2013
	3	18.44	N/A	N/A	07JUN2013
	2	18.49	N/A	N/A	07JUN2013
	1	18.48	N/A	N/A	08JUN2013
	2	18.45	N/A	N/A	08JUN2013

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.07	N/A	N/A	08JUN2013
	1	18.63	N/A	N/A	10JUN2013
	2	18.56	N/A	N/A	10JUN2013
	3	18.87	N/A	N/A	10JUN2013
	1	18.73	N/A	N/A	13JUN2013
	3	18.72	N/A	N/A	13JUN2013
	1	19.79	0.130	0.560	13JUN2013
	2	19.36	0.130	0.595	13JUN2013
	3	19.56	0.128	0.653	13JUN2013
	2	18.75	N/A	N/A	14JUN2013
	1	18.76	N/A	N/A	17JUN2013
	2	18.73	N/A	N/A	17JUN2013
	3	18.71	N/A	N/A	17JUN2013
	1	18.44	N/A	N/A	17JUN2013
	2	18.34	N/A	N/A	18JUN2013
	3	18.12	N/A	N/A	18JUN2013
	1	19.07	N/A	N/A	18JUN2013
	2	19.04	N/A	N/A	18JUN2013
	3	18.86	N/A	N/A	18JUN2013
	1	19.69	0.120	0.643	18JUN2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.72	0.123	0.596	18JUN2013
	3	19.51	0.126	0.599	18JUN2013
	1	18.94	N/A	N/A	19JUN2013
	2	18.90	N/A	N/A	19JUN2013
	3	18.80	N/A	N/A	19JUN2013
	1	18.94	N/A	N/A	20JUN2013
	2	18.35	N/A	N/A	20JUN2013
	3	18.68	N/A	N/A	20JUN2013
	1	18.86	N/A	N/A	20JUN2013
	2	18.60	N/A	N/A	20JUN2013
	3	18.62	N/A	N/A	21JUN2013
	1	18.85	N/A	N/A	22JUN2013
	2	18.42	N/A	N/A	22JUN2013
	3	19.31	N/A	N/A	22JUN2013
	1	18.81	N/A	N/A	22JUN2013
	2	18.84	N/A	N/A	24JUN2013
	3	18.54	N/A	N/A	24JUN2013
	1	19.21	N/A	N/A	24JUN2013
	2	19.25	N/A	N/A	24JUN2013
	3	18.63	N/A	N/A	24JUN2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.49	0.127	0.593	24JUN2013
	2	19.48	0.132	0.603	24JUN2013
	3	19.20	0.127	0.618	24JUN2013
	1	19.62	0.132	0.611	25JUN2013
	2	19.73	0.132	0.612	25JUN2013
	3	19.39	0.127	0.613	25JUN2013
	1	19.15	N/A	N/A	26JUN2013
	2	19.13	N/A	N/A	26JUN2013
	3	18.92	N/A	N/A	26JUN2013
	1	19.07	N/A	N/A	26JUN2013
	2	19.03	N/A	N/A	26JUN2013
	3	18.89	N/A	N/A	26JUN2013
	3	18.68	N/A	N/A	26JUN2013
	1	18.95	N/A	N/A	27JUN2013
	2	18.77	N/A	N/A	27JUN2013
	1	18.93	N/A	N/A	27JUN2013
	2	18.77	N/A	N/A	28JUN2013
	3	18.71	N/A	N/A	28JUN2013
	1	18.64	N/A	N/A	01JUL2013
	2	18.67	N/A	N/A	01JUL2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	18.52	N/A	N/A	01JUL2013
	1	18.66	N/A	N/A	01JUL2013
	2	18.58	N/A	N/A	01JUL2013
	3	18.59	N/A	N/A	01JUL2013
	1	18.83	N/A	N/A	02JUL2013
	2	18.50	N/A	N/A	02JUL2013
	3	18.57	N/A	N/A	02JUL2013
	1	18.80	N/A	N/A	02JUL2013
	2	18.45	N/A	N/A	02JUL2013
	3	18.15	N/A	N/A	02JUL2013
	1	18.81	N/A	N/A	03JUL2013
	2	18.90	N/A	N/A	03JUL2013
	3	18.01	N/A	N/A	03JUL2013
	1	18.82	N/A	N/A	05JUL2013
	2	18.84	N/A	N/A	05JUL2013
	3	18.00	N/A	N/A	05JUL2013
	1	18.66	N/A	N/A	05JUL2013
	2	18.62	N/A	N/A	05JUL2013
	3	19.25	N/A	N/A	05JUL2013
	1	18.98	N/A	N/A	08JUL2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.04	N/A	N/A	08JUL2013
	3	18.73	N/A	N/A	08JUL2013
	1	19.01	N/A	N/A	08JUL2013
	2	18.72	N/A	N/A	08JUL2013
	3	18.70	N/A	N/A	08JUL2013
	1	18.85	N/A	N/A	09JUL2013
	2	18.60	N/A	N/A	09JUL2013
	3	18.71	N/A	N/A	09JUL2013
	1	18.86	N/A	N/A	09JUL2013
	2	18.89	N/A	N/A	09JUL2013
	3	18.65	N/A	N/A	09JUL2013
	1	18.82	N/A	N/A	09JUL2013
	3	18.60	N/A	N/A	09JUL2013
	2	18.78	N/A	N/A	09JUL2013
	1	18.71	N/A	N/A	10JUL2013
	2	18.59	N/A	N/A	10JUL2013
	3	18.68	N/A	N/A	10JUL2013
	1	18.74	N/A	N/A	10JUL2013
	2	18.83	N/A	N/A	10JUL2013
	3	18.65	N/A	N/A	10JUL2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	20.42	0.129	0.655	10JUL2013
	2	20.31	0.127	0.629	10JUL2013
	3	20.19	0.128	0.626	10JUL2013
	1	18.72	N/A	N/A	11JUL2013
	2	18.53	N/A	N/A	11JUL2013
	3	18.53	N/A	N/A	11JUL2013
	1	18.87	N/A	N/A	12JUL2013
	2	18.42	N/A	N/A	12JUL2013
	3	18.49	N/A	N/A	12JUL2013
	1	18.88	N/A	N/A	12JUL2013
	2	18.84	N/A	N/A	15JUL2013
	3	18.38	N/A	N/A	15JUL2013
	1	20.13	0.124	0.584	22JUL2013
	2	20.21	0.124	0.626	22JUL2013
	3	20.24	0.122	0.629	22JUL2013
	1	20.28	0.128	0.583	23JUL2013
	2	20.19	0.122	0.617	23JUL2013
	3	20.33	0.129	0.603	23JUL2013
	1	20.02	N/A	N/A	24JUL2013
	2	19.78	N/A	N/A	24JUL2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.86	N/A	N/A	24JUL2013
	1	20.18	N/A	N/A	25JUL2013
	2	20.11	N/A	N/A	25JUL2013
	3	19.85	N/A	N/A	25JUL2013
	1	20.30	0.124	0.574	27JUL2013
	2	19.82	0.126	0.590	27JUL2013
	3	19.81	0.127	0.648	27JUL2013
	1	20.25	0.129	0.626	28JUL2013
	2	20.29	0.129	0.655	28JUL2013
	3	20.06	0.126	0.639	28JUL2013
	1	19.91	N/A	N/A	29JUL2013
	2	19.87	N/A	N/A	29JUL2013
	3	20.10	N/A	N/A	29JUL2013
	1	19.17	N/A	N/A	31JUL2013
	2	18.91	N/A	N/A	31JUL2013
	3	19.08	N/A	N/A	31JUL2013
	1	19.63	0.123	0.625	01AUG2013
	2	19.65	0.128	0.645	01AUG2013
	3	19.68	0.128	0.636	01AUG2013
	1	19.60	0.128	0.570	01AUG2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.60	0.128	0.630	01AUG2013
	3	19.43	0.128	0.670	01AUG2013
	1	19.56	N/A	N/A	05AUG2013
	2	19.41	N/A	N/A	05AUG2013
	3	18.86	N/A	N/A	05AUG2013
	1	19.47	N/A	N/A	06AUG2013
	2	19.25	N/A	N/A	06AUG2013
	3	19.00	N/A	N/A	06AUG2013
	1	19.32	N/A	N/A	06AUG2013
	2	19.44	N/A	N/A	06AUG2013
	3	19.35	N/A	N/A	06AUG2013
	1	19.61	0.125	0.569	07AUG2013
	2	19.83	0.124	0.645	07AUG2013
	3	19.48	0.123	0.640	07AUG2013
	1	19.94	N/A	N/A	08AUG2013
	2	19.75	N/A	N/A	08AUG2013
	1	20.01	0.125	0.665	08AUG2013
	2	19.79	0.129	0.650	08AUG2013
	3	19.47	0.128	0.654	08AUG2013
	3	19.64	N/A	N/A	09AUG2013

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.77	N/A	N/A	09AUG2013
	2	19.66	N/A	N/A	09AUG2013
	3	19.23	N/A	N/A	09AUG2013
	1	18.86	N/A	N/A	13AUG2013
	2	19.22	N/A	N/A	13AUG2013
	3	19.18	N/A	N/A	13AUG2013
	1	19.32	N/A	N/A	13AUG2013
	2	19.28	N/A	N/A	13AUG2013
	3	18.53	N/A	N/A	14AUG2013
	1	19.58	N/A	N/A	15AUG2013
	2	19.40	N/A	N/A	15AUG2013
	3	19.11	N/A	N/A	15AUG2013
	1	20.13	0.128	0.639	16AUG2013
	2	20.16	0.128	0.625	16AUG2013
	3	20.13	0.123	0.634	16AUG2013
	1	19.52	N/A	N/A	17AUG2013
	2	19.63	N/A	N/A	17AUG2013
	3	19.68	N/A	N/A	17AUG2013
	1	19.52	N/A	N/A	21AUG2013
	2	19.51	N/A	N/A	21AUG2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.69	N/A	N/A	21AUG2013
	1	19.79	N/A	N/A	23AUG2013
	2	19.73	N/A	N/A	23AUG2013
	3	19.70	N/A	N/A	23AUG2013
	1	19.58	0.103	0.773	26AUG2013
	2	19.61	0.103	0.774	26AUG2013
	3	20.73	0.111	0.826	26AUG2013
	1	20.02	N/A	N/A	27AUG2013
	2	19.83	N/A	N/A	27AUG2013
	3	19.61	N/A	N/A	27AUG2013
	1	19.90	N/A	N/A	29AUG2013
	2	19.81	N/A	N/A	29AUG2013
	3	19.63	N/A	N/A	29AUG2013
	1	19.68	N/A	N/A	29AUG2013
	2	19.50	N/A	N/A	29AUG2013
	3	19.62	N/A	N/A	29AUG2013
	1	20.47	0.103	0.640	30AUG2013
	2	20.44	0.103	0.629	30AUG2013
	3	20.36	0.103	0.649	30AUG2013
	1	19.97	N/A	N/A	04SEP2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.68	N/A	N/A	04SEP2013
	3	19.87	N/A	N/A	04SEP2013
	1	19.84	N/A	N/A	04SEP2013
	2	19.89	N/A	N/A	04SEP2013
	3	19.81	N/A	N/A	04SEP2013
	1	20.99	0.102	0.633	05SEP2013
	2	20.96	0.103	0.627	05SEP2013
	3	21.02	0.102	0.639	05SEP2013
	1	19.53	N/A	N/A	09SEP2013
	2	19.44	N/A	N/A	09SEP2013
	3	19.55	N/A	N/A	09SEP2013
	1	19.82	N/A	N/A	11SEP2013
	2	19.95	N/A	N/A	11SEP2013
	3	20.03	N/A	N/A	12SEP2013
	1	19.99	N/A	N/A	12SEP2013
	2	20.04	N/A	N/A	12SEP2013
	3	20.08	N/A	N/A	12SEP2013
	1	21.28	0.107	0.827	12SEP2013
	2	21.26	0.108	0.750	12SEP2013
	3	21.31	0.107	0.843	12SEP2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	20.12	N/A	N/A	13SEP2013
	2	20.10	N/A	N/A	13SEP2013
	3	20.20	N/A	N/A	13SEP2013
	1	21.39	0.107	0.854	13SEP2013
	2	21.20	0.107	0.829	13SEP2013
	3	21.39	0.107	0.834	13SEP2013
	1	20.16	N/A	N/A	16SEP2013
	2	20.07	N/A	N/A	16SEP2013
	3	20.19	N/A	N/A	16SEP2013
	1	19.86	N/A	N/A	16SEP2013
	2	19.73	N/A	N/A	16SEP2013
	3	19.67	N/A	N/A	16SEP2013
	1	19.63	N/A	N/A	17SEP2013
	2	19.49	N/A	N/A	17SEP2013
	3	19.62	N/A	N/A	17SEP2013
	1	20.43	N/A	N/A	18SEP2013
	2	20.48	N/A	N/A	18SEP2013
	3	20.20	N/A	N/A	18SEP2013
	1	21.55	0.109	0.711	18SEP2013
	2	21.69	0.114	0.697	18SEP2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	21.56	0.114	0.694	18SEP2013
	1	21.69	0.114	0.726	19SEP2013
	2	21.90	0.114	0.741	19SEP2013
	3	21.74	0.114	0.832	19SEP2013
	1	20.32	N/A	N/A	20SEP2013
	2	20.03	N/A	N/A	20SEP2013
	3	19.97	N/A	N/A	20SEP2013
	1	20.10	N/A	N/A	20SEP2013
	3	19.78	N/A	N/A	20SEP2013
	2	20.09	N/A	N/A	20SEP2013
	1	20.17	N/A	N/A	20SEP2013
	1	21.71	0.114	0.749	20SEP2013
	2	21.58	0.113	0.793	20SEP2013
	3	21.73	0.114	0.847	20SEP2013
	2	19.82	N/A	N/A	21SEP2013
	3	19.90	N/A	N/A	21SEP2013
	1	19.83	N/A	N/A	21SEP2013
	2	19.76	N/A	N/A	21SEP2013
	3	19.79	N/A	N/A	21SEP2013
	1	20.01	N/A	N/A	23SEP2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.64	N/A	N/A	23SEP2013
	3	19.64	N/A	N/A	23SEP2013
	1	19.74	N/A	N/A	24SEP2013
	2	19.32	N/A	N/A	24SEP2013
	3	19.68	N/A	N/A	24SEP2013
	1	19.38	N/A	N/A	24SEP2013
	2	19.14	N/A	N/A	24SEP2013
	3	19.59	N/A	N/A	24SEP2013
	1	19.19	N/A	N/A	25SEP2013
	2	18.95	N/A	N/A	25SEP2013
	3	19.84	N/A	N/A	25SEP2013
	1	18.98	N/A	N/A	25SEP2013
	2	19.12	N/A	N/A	25SEP2013
	3	19.32	N/A	N/A	25SEP2013
	1	20.68	0.124	0.615	25SEP2013
	2	20.85	0.128	0.651	25SEP2013
	3	20.86	0.124	0.654	25SEP2013
	1	19.10	N/A	N/A	26SEP2013
	2	19.38	N/A	N/A	26SEP2013
	3	20.01	N/A	N/A	26SEP2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	20.91	0.124	0.621	26SEP2013
	2	21.01	0.128	0.664	26SEP2013
	3	20.72	0.124	0.659	26SEP2013
	1	20.75	N/A	N/A	27SEP2013
	2	20.66	N/A	N/A	27SEP2013
	3	20.36	N/A	N/A	27SEP2013
	1	20.79	N/A	N/A	01OCT2013
	2	20.61	N/A	N/A	01OCT2013
	3	20.02	N/A	N/A	01OCT2013
	1	20.79	0.129	0.645	01OCT2013
	2	20.79	0.123	0.637	01OCT2013
	3	20.70	0.124	0.634	01OCT2013
	1	19.81	N/A	N/A	02OCT2013
	2	19.92	N/A	N/A	02OCT2013
	3	19.83	N/A	N/A	02OCT2013
	1	19.94	N/A	N/A	03OCT2013
	2	19.81	N/A	N/A	03OCT2013
	3	19.76	N/A	N/A	03OCT2013
	1	20.76	0.124	0.641	03OCT2013
	2	20.82	0.133	0.607	03OCT2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	20.74	0.134	0.670	03OCT2013
	1	20.51	N/A	N/A	04OCT2013
	2	20.32	N/A	N/A	04OCT2013
	3	20.18	N/A	N/A	04OCT2013
	1	20.65	0.134	0.646	04OCT2013
	2	20.56	0.134	0.608	04OCT2013
	3	20.58	0.134	0.645	04OCT2013
	1	20.17	N/A	N/A	07OCT2013
	2	19.96	N/A	N/A	07OCT2013
	3	20.16	N/A	N/A	07OCT2013
	1	19.67	0.114	0.659	08OCT2013
	2	19.42	0.113	0.625	08OCT2013
	3	19.34	0.114	0.647	08OCT2013
	1	20.83	N/A	N/A	09OCT2013
	2	20.71	N/A	N/A	09OCT2013
	3	19.83	N/A	N/A	09OCT2013
	1	20.75	N/A	N/A	09OCT2013
	2	19.85	N/A	N/A	09OCT2013
	3	19.96	N/A	N/A	10OCT2013
	1	20.24	0.119	0.582	10OCT2013

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.77	0.117	0.580	10OCT2013
	3	20.00	0.119	0.662	10OCT2013
	1	20.54	N/A	N/A	11OCT2013
	2	20.06	N/A	N/A	11OCT2013
	3	19.91	N/A	N/A	11OCT2013
	1	20.29	0.119	0.638	14OCT2013
	2	20.16	0.119	0.627	14OCT2013
	3	20.12	0.118	0.677	14OCT2013
	1	20.19	0.114	0.747	14OCT2013
	2	20.21	0.119	0.726	14OCT2013
	3	20.33	0.118	0.725	14OCT2013
	1	20.23	0.119	0.628	14OCT2013
	2	20.21	0.119	0.622	14OCT2013
	3	20.32	0.119	0.632	14OCT2013
	1	20.85	0.124	0.722	14OCT2013
	2	20.90	0.119	0.741	14OCT2013
	3	21.06	0.123	0.731	14OCT2013
	1	19.71	0.118	0.651	14OCT2013
	2	19.71	0.119	0.652	14OCT2013
	3	19.69	0.119	0.643	14OCT2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.98	N/A	N/A	19OCT2013
	2	19.86	N/A	N/A	19OCT2013
	3	19.75	N/A	N/A	19OCT2013
	1	20.21	N/A	N/A	21OCT2013
	2	19.98	N/A	N/A	21OCT2013
	3	20.15	N/A	N/A	21OCT2013
	1	19.72	N/A	N/A	22OCT2013
	2	19.89	N/A	N/A	22OCT2013
	3	20.39	N/A	N/A	22OCT2013
	1	19.57	0.118	0.656	22OCT2013
	2	19.60	0.114	0.608	22OCT2013
	3	19.70	0.114	0.653	22OCT2013
	1	20.61	0.128	0.740	22OCT2013
	2	20.25	0.128	0.751	22OCT2013
	3	20.27	0.129	0.787	22OCT2013
	1	18.76	N/A	N/A	23OCT2013
	2	18.44	N/A	N/A	23OCT2013
	3	18.85	N/A	N/A	23OCT2013
	1	20.28	N/A	N/A	23OCT2013
	2	20.41	N/A	N/A	23OCT2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	20.53	N/A	N/A	23OCT2013
	1	20.27	0.123	0.612	23OCT2013
	2	20.23	0.119	0.637	23OCT2013
	3	20.16	0.124	0.633	23OCT2013
	1	20.17	0.128	0.734	25OCT2013
	2	20.21	0.128	0.701	25OCT2013
	3	20.37	0.129	0.712	25OCT2013
	1	20.43	0.123	0.597	25OCT2013
	2	20.31	0.123	0.608	25OCT2013
	3	20.26	0.129	0.628	25OCT2013
	1	20.52	0.123	0.636	28OCT2013
	2	20.33	0.124	0.657	28OCT2013
	3	20.20	0.124	0.618	28OCT2013
	1	20.69	0.128	0.695	28OCT2013
	2	20.66	0.124	0.702	28OCT2013
	3	20.41	0.129	0.742	28OCT2013
	1	19.18	N/A	N/A	30OCT2013
	2	18.66	N/A	N/A	30OCT2013
	3	18.58	N/A	N/A	30OCT2013
	1	20.46	0.128	0.612	30OCT2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	20.32	0.124	0.558	30OCT2013
	3	20.20	0.124	0.614	30OCT2013
	1	19.69	N/A	N/A	31OCT2013
	2	18.97	N/A	N/A	31OCT2013
	3	19.34	N/A	N/A	31OCT2013
	1	19.27	N/A	N/A	31OCT2013
	2	19.45	N/A	N/A	31OCT2013
	3	19.29	N/A	N/A	31OCT2013
	1	19.65	N/A	N/A	01NOV2013
	2	19.52	N/A	N/A	01NOV2013
	3	19.27	N/A	N/A	01NOV2013
	1	18.81	N/A	N/A	01NOV2013
	2	19.03	N/A	N/A	04NOV2013
	3	19.54	N/A	N/A	04NOV2013
	1	19.54	N/A	N/A	04NOV2013
	2	19.84	N/A	N/A	05NOV2013
	3	19.80	N/A	N/A	05NOV2013
	1	19.54	N/A	N/A	06NOV2013
	2	19.56	N/A	N/A	06NOV2013
	3	19.42	N/A	N/A	06NOV2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.45	N/A	N/A	06NOV2013
	2	19.49	N/A	N/A	07NOV2013
	3	19.39	N/A	N/A	07NOV2013
	1	19.34	N/A	N/A	07NOV2013
	2	19.34	N/A	N/A	07NOV2013
	3	19.52	N/A	N/A	07NOV2013
	1	19.76	0.113	0.613	07NOV2013
	2	19.67	0.114	0.599	07NOV2013
	3	19.40	0.114	0.597	07NOV2013
	1	19.46	N/A	N/A	08NOV2013
	2	19.28	N/A	N/A	08NOV2013
	3	19.71	N/A	N/A	08NOV2013
	1	18.91	N/A	N/A	11NOV2013
	2	19.00	N/A	N/A	11NOV2013
	3	18.96	N/A	N/A	11NOV2013
	1	19.09	N/A	N/A	12NOV2013
	2	18.98	N/A	N/A	12NOV2013
	3	18.92	N/A	N/A	12NOV2013
	1	19.50	0.098	0.623	13NOV2013
	2	19.41	0.099	0.634	13NOV2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.15	0.099	0.637	13NOV2013
	1	18.94	N/A	N/A	14NOV2013
	2	19.09	N/A	N/A	14NOV2013
	3	18.94	N/A	N/A	14NOV2013
	1	18.99	N/A	N/A	15NOV2013
	2	19.05	N/A	N/A	15NOV2013
	3	18.99	N/A	N/A	15NOV2013
	1	18.99	N/A	N/A	15NOV2013
	2	19.00	N/A	N/A	15NOV2013
	3	19.06	N/A	N/A	15NOV2013
	1	19.15	N/A	N/A	19NOV2013
	2	19.09	N/A	N/A	19NOV2013
	3	19.60	N/A	N/A	19NOV2013
	1	19.16	N/A	N/A	19NOV2013
	2	19.33	N/A	N/A	19NOV2013
	3	19.58	N/A	N/A	19NOV2013
	1	19.89	0.105	0.654	20NOV2013
	2	19.63	0.105	0.664	20NOV2013
	3	19.30	0.100	0.678	20NOV2013
	1	19.38	N/A	N/A	21NOV2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.25	N/A	N/A	21NOV2013
	3	19.39	N/A	N/A	21NOV2013
	1	19.88	0.100	0.679	21NOV2013
	2	19.63	0.110	0.664	21NOV2013
	3	19.35	0.105	0.684	21NOV2013
	1	19.22	N/A	N/A	22NOV2013
	2	19.66	N/A	N/A	22NOV2013
	3	19.44	N/A	N/A	22NOV2013
	1	19.36	N/A	N/A	25NOV2013
	2	19.63	N/A	N/A	25NOV2013
	3	19.29	N/A	N/A	25NOV2013
	1	19.31	N/A	N/A	25NOV2013
	1	19.99	0.105	0.619	25NOV2013
	2	19.78	0.105	0.634	25NOV2013
	3	19.47	0.105	0.644	25NOV2013
	2	19.49	N/A	N/A	26NOV2013
	3	19.04	N/A	N/A	26NOV2013
	1	19.21	N/A	N/A	26NOV2013
	2	19.39	N/A	N/A	26NOV2013
	3	19.44	N/A	N/A	26NOV2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.18	N/A	N/A	27NOV2013
	2	19.35	N/A	N/A	27NOV2013
	3	19.19	N/A	N/A	27NOV2013
	1	19.42	N/A	N/A	03DEC2013
	2	19.40	N/A	N/A	03DEC2013
	3	19.15	N/A	N/A	03DEC2013
	1	19.32	N/A	N/A	03DEC2013
	2	19.53	N/A	N/A	03DEC2013
	3	19.23	N/A	N/A	03DEC2013
	1	19.84	0.110	0.614	03DEC2013
	2	19.41	0.100	0.610	03DEC2013
	3	18.58	0.095	0.564	03DEC2013
	1	19.50	N/A	N/A	04DEC2013
	2	19.39	N/A	N/A	04DEC2013
	3	19.30	N/A	N/A	04DEC2013
	1	21.85	0.120	0.674	04DEC2013
	2	21.73	0.118	0.678	04DEC2013
	3	21.65	0.110	0.695	04DEC2013
	1	18.80	N/A	N/A	05DEC2013
	2	18.85	N/A	N/A	05DEC2013

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.13	N/A	N/A	05DEC2013
	1	18.71	N/A	N/A	05DEC2013
	3	19.12	N/A	N/A	05DEC2013
	2	18.71	N/A	N/A	05DEC2013
	1	20.90	0.116	0.752	05DEC2013
	2	21.68	0.117	0.871	05DEC2013
	3	20.69	0.112	0.752	05DEC2013
	1	18.68	N/A	N/A	06DEC2013
	2	18.62	N/A	N/A	06DEC2013
	3	19.15	N/A	N/A	06DEC2013
	1	18.49	N/A	N/A	06DEC2013
	1	20.80	0.111	0.755	06DEC2013
	2	18.53	0.100	0.635	06DEC2013
	3	19.30	0.105	0.673	06DEC2013
	2	18.48	N/A	N/A	07DEC2013
	3	19.15	N/A	N/A	07DEC2013
	1	18.42	N/A	N/A	07DEC2013
	2	18.49	N/A	N/A	09DEC2013
	3	17.94	N/A	N/A	09DEC2013
	1	18.37	N/A	N/A	09DEC2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	18.36	N/A	N/A	10DEC2013
	3	18.73	N/A	N/A	10DEC2013
	1	18.27	N/A	N/A	10DEC2013
	1	21.45	0.121	0.710	10DEC2013
	2	21.13	0.112	0.781	10DEC2013
	3	21.03	0.115	0.776	10DEC2013
	2	18.37	N/A	N/A	11DEC2013
	3	18.76	N/A	N/A	11DEC2013
	1	18.10	N/A	N/A	11DEC2013
	1	20.97	0.126	0.778	11DEC2013
	2	21.02	0.122	0.785	11DEC2013
	3	20.77	0.115	0.789	11DEC2013
	2	18.26	N/A	N/A	12DEC2013
	3	18.78	N/A	N/A	12DEC2013
	1	18.12	N/A	N/A	12DEC2013
	2	18.30	N/A	N/A	13DEC2013
	3	18.70	N/A	N/A	13DEC2013
	1	18.24	N/A	N/A	13DEC2013
	2	18.26	N/A	N/A	16DEC2013
	3	18.43	N/A	N/A	16DEC2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.42	N/A	N/A	16DEC2013
	3	18.43	N/A	N/A	16DEC2013
	2	18.36	N/A	N/A	16DEC2013
	1	18.91	N/A	N/A	16DEC2013
	3	18.91	N/A	N/A	17DEC2013
	2	19.04	N/A	N/A	17DEC2013
	1	19.20	N/A	N/A	18DEC2013
	2	19.28	N/A	N/A	19DEC2013
	3	19.04	N/A	N/A	19DEC2013
	1	19.38	N/A	N/A	19DEC2013
	3	19.14	N/A	N/A	19DEC2013
	2	19.50	N/A	N/A	19DEC2013
	1	19.50	N/A	N/A	19DEC2013
	2	19.40	N/A	N/A	20DEC2013
	3	18.70	N/A	N/A	20DEC2013
	1	18.41	N/A	N/A	20DEC2013
	2	18.52	N/A	N/A	21DEC2013
	3	18.44	N/A	N/A	21DEC2013
	1	18.32	N/A	N/A	21DEC2013
	2	18.47	N/A	N/A	21DEC2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	18.43	N/A	N/A	21DEC2013
	1	18.43	N/A	N/A	21DEC2013
	1	18.42	N/A	N/A	23DEC2013
	2	18.63	N/A	N/A	23DEC2013
	3	18.50	N/A	N/A	23DEC2013
	2	18.43	N/A	N/A	24DEC2013
	3	18.51	N/A	N/A	24DEC2013
	1	18.69	N/A	N/A	24DEC2013
	2	18.59	N/A	N/A	24DEC2013
	3	18.84	N/A	N/A	24DEC2013
	1	18.66	N/A	N/A	26DEC2013
	2	18.60	N/A	N/A	26DEC2013
	3	18.80	N/A	N/A	26DEC2013
	1	18.68	N/A	N/A	26DEC2013
	2	18.60	N/A	N/A	26DEC2013
	3	18.86	N/A	N/A	26DEC2013
	1	18.59	N/A	N/A	27DEC2013
	2	18.57	N/A	N/A	27DEC2013
	3	18.76	N/A	N/A	27DEC2013
	1	18.32	N/A	N/A	06JAN2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	18.52	N/A	N/A	06JAN2014
	3	18.57	N/A	N/A	06JAN2014
	1	18.82	N/A	N/A	07JAN2014
	2	17.94	N/A	N/A	07JAN2014
	3	18.34	N/A	N/A	07JAN2014
	1	19.09	N/A	N/A	07JAN2014
	2	19.06	N/A	N/A	08JAN2014
	3	18.41	N/A	N/A	08JAN2014
	1	18.96	N/A	N/A	10JAN2014
	2	18.85	N/A	N/A	10JAN2014
	3	19.46	N/A	N/A	10JAN2014
	1	19.10	N/A	N/A	13JAN2014
	3	18.97	N/A	N/A	13JAN2014
	2	18.92	N/A	N/A	13JAN2014
	1	19.00	N/A	N/A	14JAN2014
	2	18.88	N/A	N/A	14JAN2014
	3	19.09	N/A	N/A	14JAN2014
	1	18.93	N/A	N/A	15JAN2014
	2	18.90	N/A	N/A	16JAN2014
	3	19.10	N/A	N/A	16JAN2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.28	N/A	N/A	21JAN2014
	2	18.85	N/A	N/A	21JAN2014
	3	19.16	N/A	N/A	21JAN2014
	1	19.25	N/A	N/A	22JAN2014
	2	19.17	N/A	N/A	22JAN2014
	3	19.21	N/A	N/A	22JAN2014
	1	19.67	N/A	N/A	23JAN2014
	2	19.01	N/A	N/A	24JAN2014
	3	19.26	N/A	N/A	24JAN2014
	1	18.78	N/A	N/A	27JAN2014
	2	18.72	N/A	N/A	28JAN2014
	3	19.45	N/A	N/A	28JAN2014
	1	19.11	N/A	N/A	28JAN2014
	2	19.09	N/A	N/A	28JAN2014
	3	18.48	N/A	N/A	28JAN2014
	1	19.13	N/A	N/A	29JAN2014
	2	19.04	N/A	N/A	29JAN2014
	3	19.27	N/A	N/A	29JAN2014
	1	19.04	N/A	N/A	29JAN2014
	2	19.01	N/A	N/A	29JAN2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.02	N/A	N/A	29JAN2014
	1	19.05	N/A	N/A	30JAN2014
	2	19.08	N/A	N/A	30JAN2014
	3	19.45	N/A	N/A	30JAN2014
	1	18.78	N/A	N/A	30JAN2014
	2	18.84	N/A	N/A	31JAN2014
	3	19.00	N/A	N/A	31JAN2014
	3	18.65	N/A	N/A	31JAN2014
	2	18.84	N/A	N/A	31JAN2014
	1	18.59	N/A	N/A	31JAN2014
	1	18.74	N/A	N/A	03FEB2014
	2	19.06	N/A	N/A	05FEB2014
	3	19.11	N/A	N/A	05FEB2014
	1	19.39	N/A	N/A	05FEB2014
	2	19.26	N/A	N/A	05FEB2014
	3	19.27	N/A	N/A	05FEB2014
	1	18.71	N/A	N/A	06FEB2014
	2	19.11	N/A	N/A	06FEB2014
	3	19.41	N/A	N/A	06FEB2014
	1	19.22	N/A	N/A	06FEB2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.15	N/A	N/A	06FEB2014
	3	19.21	N/A	N/A	06FEB2014
	1	18.56	N/A	N/A	06FEB2014
	2	18.92	N/A	N/A	07FEB2014
	3	19.31	N/A	N/A	07FEB2014
	1	19.10	N/A	N/A	10FEB2014
	2	18.96	N/A	N/A	10FEB2014
	3	19.52	N/A	N/A	10FEB2014
	1	19.33	N/A	N/A	10FEB2014
	2	19.08	N/A	N/A	10FEB2014
	3	19.62	N/A	N/A	11FEB2014
	1	19.44	N/A	N/A	11FEB2014
	2	19.38	N/A	N/A	12FEB2014
	3	19.25	N/A	N/A	12FEB2014
	1	19.40	N/A	N/A	12FEB2014
	3	19.59	N/A	N/A	12FEB2014
	2	19.75	N/A	N/A	12FEB2014
	1	19.39	N/A	N/A	19FEB2014
	2	19.84	N/A	N/A	19FEB2014
	3	18.79	N/A	N/A	19FEB2014

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.06	N/A	N/A	19FEB2014
	2	19.73	N/A	N/A	19FEB2014
	3	18.76	N/A	N/A	19FEB2014
	1	19.55	N/A	N/A	21FEB2014
	2	19.68	N/A	N/A	21FEB2014
	3	19.82	N/A	N/A	21FEB2014
	1	19.69	N/A	N/A	21FEB2014
	2	19.63	N/A	N/A	24FEB2014
	3	19.89	N/A	N/A	24FEB2014
	1	20.04	N/A	N/A	24FEB2014
	2	19.86	N/A	N/A	25FEB2014
	3	19.64	N/A	N/A	25FEB2014
	1	19.57	N/A	N/A	25FEB2014
	1	18.62	N/A	N/A	26FEB2014
	2	18.97	N/A	N/A	26FEB2014
	3	18.27	N/A	N/A	26FEB2014
	2	19.43	N/A	N/A	26FEB2014
	3	18.68	N/A	N/A	26FEB2014
	1	19.60	N/A	N/A	28FEB2014
	2	19.66	N/A	N/A	28FEB2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.44	N/A	N/A	28FEB2014
	1	19.55	N/A	N/A	28FEB2014
	2	19.61	N/A	N/A	28FEB2014
	3	19.85	N/A	N/A	28FEB2014
	1	19.36	N/A	N/A	03MAR2014
	2	20.04	N/A	N/A	03MAR2014
	3	19.99	N/A	N/A	03MAR2014
	1	19.31	N/A	N/A	03MAR2014
	2	19.57	N/A	N/A	04MAR2014
	3	19.56	N/A	N/A	04MAR2014
	1	19.13	N/A	N/A	04MAR2014
	2	19.45	N/A	N/A	04MAR2014
	3	20.03	N/A	N/A	04MAR2014
	1	20.22	N/A	N/A	05MAR2014
	2	19.84	N/A	N/A	06MAR2014
	3	20.52	N/A	N/A	06MAR2014
	1	20.25	N/A	N/A	08MAR2014
	3	20.11	N/A	N/A	10MAR2014
	2	20.13	N/A	N/A	10MAR2014
	1	20.25	N/A	N/A	11MAR2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.75	N/A	N/A	11MAR2014
	2	19.84	N/A	N/A	11MAR2014
	1	19.44	N/A	N/A	13MAR2014
	3	19.37	N/A	N/A	13MAR2014
	2	19.63	N/A	N/A	13MAR2014
	1	19.40	N/A	N/A	14MAR2014
	2	19.61	N/A	N/A	14MAR2014
	3	19.44	N/A	N/A	14MAR2014
	1	19.39	N/A	N/A	17MAR2014
	2	19.42	N/A	N/A	17MAR2014
	3	19.43	N/A	N/A	17MAR2014
	1	19.33	N/A	N/A	17MAR2014
	2	19.36	N/A	N/A	17MAR2014
	3	20.19	N/A	N/A	17MAR2014
	1	19.51	N/A	N/A	18MAR2014
	2	19.32	N/A	N/A	18MAR2014
	3	19.36	N/A	N/A	19MAR2014
	1	19.43	N/A	N/A	19MAR2014
	2	19.49	N/A	N/A	19MAR2014
	3	19.49	N/A	N/A	19MAR2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.60	N/A	N/A	20MAR2014
	2	19.62	N/A	N/A	21MAR2014
	3	19.28	N/A	N/A	21MAR2014
	1	19.24	N/A	N/A	21MAR2014
	2	19.16	N/A	N/A	21MAR2014
	3	19.29	N/A	N/A	21MAR2014
	1	19.17	N/A	N/A	25MAR2014
	2	19.30	N/A	N/A	25MAR2014
	3	18.93	N/A	N/A	25MAR2014
	1	19.24	N/A	N/A	26MAR2014
	2	19.16	N/A	N/A	26MAR2014
	3	19.29	N/A	N/A	26MAR2014
	1	19.33	N/A	N/A	27MAR2014
	2	19.63	N/A	N/A	27MAR2014
	3	19.05	N/A	N/A	27MAR2014
	1	19.40	N/A	N/A	28MAR2014
	2	19.47	N/A	N/A	28MAR2014
	3	19.13	N/A	N/A	28MAR2014
	1	19.12	N/A	N/A	28MAR2014
	2	19.35	N/A	N/A	28MAR2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.01	N/A	N/A	31MAR2014
	1	19.02	N/A	N/A	01APR2014
	2	19.24	N/A	N/A	01APR2014
	3	19.47	N/A	N/A	01APR2014
	1	19.32	N/A	N/A	07APR2014
	2	19.27	N/A	N/A	07APR2014
	3	19.32	N/A	N/A	07APR2014
	1	19.03	N/A	N/A	08APR2014
	2	19.19	N/A	N/A	08APR2014
	3	19.30	N/A	N/A	08APR2014
	1	18.98	N/A	N/A	09APR2014
	2	19.12	N/A	N/A	09APR2014
	3	19.18	N/A	N/A	09APR2014
	1	18.38	N/A	N/A	10APR2014
	2	19.05	N/A	N/A	10APR2014
	3	18.94	N/A	N/A	10APR2014
	1	19.09	N/A	N/A	14APR2014
	2	19.58	N/A	N/A	14APR2014
	3	19.48	N/A	N/A	14APR2014
	1	18.98	N/A	N/A	14APR2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	18.89	N/A	N/A	14APR2014
	3	19.40	N/A	N/A	14APR2014
	1	19.32	N/A	N/A	16APR2014
	2	19.11	N/A	N/A	16APR2014
	3	19.80	N/A	N/A	16APR2014
	1	19.20	N/A	N/A	17APR2014
	2	19.04	N/A	N/A	17APR2014
	3	19.87	N/A	N/A	17APR2014
	1	19.47	N/A	N/A	21APR2014
	2	18.95	N/A	N/A	21APR2014
	3	19.74	N/A	N/A	21APR2014
	1	19.69	N/A	N/A	22APR2014
	2	19.84	N/A	N/A	22APR2014
	3	19.86	N/A	N/A	22APR2014
	1	19.63	N/A	N/A	23APR2014
	2	19.82	N/A	N/A	23APR2014
	3	19.90	N/A	N/A	23APR2014
	1	19.84	N/A	N/A	24APR2014
	2	20.00	N/A	N/A	24APR2014
	3	19.51	N/A	N/A	24APR2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.60	N/A	N/A	24APR2014
	1	19.50	N/A	N/A	25APR2014
	2	19.57	N/A	N/A	25APR2014
	1	19.31	N/A	N/A	25APR2014
	2	19.58	N/A	N/A	25APR2014
	3	19.56	N/A	N/A	25APR2014
	1	19.14	N/A	N/A	29APR2014
	2	19.23	N/A	N/A	29APR2014
	3	19.28	N/A	N/A	29APR2014
	1	19.09	N/A	N/A	30APR2014
	2	19.30	N/A	N/A	30APR2014
	3	19.13	N/A	N/A	30APR2014
	1	18.99	N/A	N/A	01MAY2014
	2	19.30	N/A	N/A	01MAY2014
	3	19.30	N/A	N/A	01MAY2014
	1	19.13	N/A	N/A	05MAY2014
	2	19.28	N/A	N/A	05MAY2014
	3	19.64	N/A	N/A	05MAY2014
	3	19.50	N/A	N/A	06MAY2014
	1	19.09	N/A	N/A	06MAY2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.16	N/A	N/A	06MAY2014
	3	19.55	N/A	N/A	07MAY2014
	1	19.08	N/A	N/A	07MAY2014
	2	19.16	N/A	N/A	07MAY2014
	1	19.56	N/A	N/A	07MAY2014
	2	19.07	N/A	N/A	07MAY2014
	3	19.49	N/A	N/A	07MAY2014
	1	19.54	N/A	N/A	08MAY2014
	2	19.12	N/A	N/A	08MAY2014
	3	19.72	N/A	N/A	08MAY2014
	3	19.51	N/A	N/A	08MAY2014
	1	18.99	N/A	N/A	08MAY2014
	2	19.02	N/A	N/A	08MAY2014
	3	19.54	N/A	N/A	09MAY2014
	1	18.89	N/A	N/A	09MAY2014
	2	18.93	N/A	N/A	09MAY2014
	3	19.10	N/A	N/A	12MAY2014
	1	19.00	N/A	N/A	12MAY2014
	2	18.98	N/A	N/A	12MAY2014
	3	19.60	N/A	N/A	13MAY2014

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.58	N/A	N/A	13MAY2014
	2	19.85	N/A	N/A	13MAY2014
	3	19.50	N/A	N/A	14MAY2014
	1	19.84	N/A	N/A	14MAY2014
	2	19.90	N/A	N/A	14MAY2014
	3	19.39	N/A	N/A	14MAY2014
	1	19.72	N/A	N/A	14MAY2014
	2	19.94	N/A	N/A	14MAY2014
	2	20.18	N/A	N/A	15MAY2014
	3	20.33	N/A	N/A	15MAY2014
	1	19.86	N/A	N/A	15MAY2014
	3	20.21	N/A	N/A	16MAY2014
	1	19.92	N/A	N/A	16MAY2014
	2	20.40	N/A	N/A	16MAY2014
	1	19.78	N/A	N/A	20MAY2014
	2	19.99	N/A	N/A	20MAY2014
	3	20.01	N/A	N/A	20MAY2014
	1	19.64	N/A	N/A	21MAY2014
	2	19.90	N/A	N/A	21MAY2014
	3	19.90	N/A	N/A	21MAY2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.50	N/A	N/A	22MAY2014
	2	19.74	N/A	N/A	22MAY2014
	3	19.85	N/A	N/A	22MAY2014
	1	19.44	N/A	N/A	23MAY2014
	2	19.82	N/A	N/A	23MAY2014
	3	19.83	N/A	N/A	23MAY2014
	3	19.77	N/A	N/A	27MAY2014
	1	19.69	N/A	N/A	27MAY2014
	2	19.64	N/A	N/A	27MAY2014
	2	19.81	N/A	N/A	27MAY2014
	3	19.63	N/A	N/A	27MAY2014
	1	19.51	N/A	N/A	27MAY2014
	3	19.21	N/A	N/A	29MAY2014
	1	19.14	N/A	N/A	29MAY2014
	2	19.85	N/A	N/A	29MAY2014
	3	19.29	N/A	N/A	02JUN2014
	1	19.15	N/A	N/A	02JUN2014
	2	19.82	N/A	N/A	02JUN2014
	3	20.12	N/A	N/A	02JUN2014
	1	19.76	N/A	N/A	02JUN2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.74	N/A	N/A	02JUN2014
	3	19.27	N/A	N/A	06JUN2014
	1	19.48	N/A	N/A	06JUN2014
	2	19.28	N/A	N/A	06JUN2014
	1	19.49	N/A	N/A	09JUN2014
	2	19.07	N/A	N/A	09JUN2014
	3	19.21	N/A	N/A	09JUN2014
	1	19.16	N/A	N/A	10JUN2014
	2	19.01	N/A	N/A	10JUN2014
	3	19.01	N/A	N/A	10JUN2014
	3	18.61	N/A	N/A	11JUN2014
	1	19.25	N/A	N/A	11JUN2014
	2	18.99	N/A	N/A	11JUN2014
	3	18.68	N/A	N/A	12JUN2014
	1	18.70	N/A	N/A	12JUN2014
	2	18.52	N/A	N/A	12JUN2014
	3	18.65	N/A	N/A	17JUN2014
	1	18.67	N/A	N/A	17JUN2014
	2	18.55	N/A	N/A	17JUN2014
	3	18.72	N/A	N/A	18JUN2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.94	N/A	N/A	18JUN2014
	2	18.47	N/A	N/A	18JUN2014
	2	18.51	N/A	N/A	18JUN2014
	3	18.70	N/A	N/A	18JUN2014
	1	18.96	N/A	N/A	18JUN2014
	1	18.89	N/A	N/A	25JUN2014
	3	18.65	N/A	N/A	25JUN2014
	2	18.72	N/A	N/A	25JUN2014
	3	18.42	N/A	N/A	26JUN2014
	1	18.68	N/A	N/A	26JUN2014
	2	18.63	N/A	N/A	26JUN2014
	1	18.63	N/A	N/A	01JUL2014
	2	18.45	N/A	N/A	01JUL2014
	3	18.57	N/A	N/A	01JUL2014
	3	18.13	N/A	N/A	03JUL2014
	1	18.43	N/A	N/A	03JUL2014
	2	18.25	N/A	N/A	03JUL2014
	1	18.55	N/A	N/A	03JUL2014
	2	18.31	N/A	N/A	03JUL2014
	3	18.00	N/A	N/A	03JUL2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	18.34	N/A	N/A	08JUL2014
	1	18.48	N/A	N/A	08JUL2014
	2	18.55	N/A	N/A	08JUL2014
	1	18.42	N/A	N/A	10JUL2014
	2	18.57	N/A	N/A	10JUL2014
	3	18.37	N/A	N/A	10JUL2014
	1	18.55	N/A	N/A	10JUL2014
	2	18.60	N/A	N/A	10JUL2014
	3	18.36	N/A	N/A	10JUL2014
	1	18.52	N/A	N/A	11JUL2014
	2	18.59	N/A	N/A	11JUL2014
	3	18.23	N/A	N/A	11JUL2014
	1	18.44	N/A	N/A	14JUL2014
	2	18.57	N/A	N/A	14JUL2014
	3	18.28	N/A	N/A	14JUL2014
	1	18.82	N/A	N/A	15JUL2014
	2	18.71	N/A	N/A	15JUL2014
	3	18.20	N/A	N/A	15JUL2014
	1	18.85	N/A	N/A	18JUL2014
	2	18.46	N/A	N/A	18JUL2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	18.11	N/A	N/A	18JUL2014
	1	18.53	N/A	N/A	22JUL2014
	2	18.72	N/A	N/A	22JUL2014
	3	18.29	N/A	N/A	22JUL2014
	1	18.88	N/A	N/A	23JUL2014
	2	18.04	N/A	N/A	24JUL2014
	3	18.15	N/A	N/A	24JUL2014
	3	18.44	N/A	N/A	28JUL2014
	1	19.20	N/A	N/A	28JUL2014
	2	18.51	N/A	N/A	28JUL2014
	1	18.60	N/A	N/A	29JUL2014
	2	18.93	N/A	N/A	29JUL2014
	3	18.45	N/A	N/A	29JUL2014
	1	18.79	N/A	N/A	30JUL2014
	3	18.47	N/A	N/A	30JUL2014
	2	18.95	N/A	N/A	30JUL2014
	1	18.63	N/A	N/A	01AUG2014
	3	18.34	N/A	N/A	01AUG2014
	2	18.79	N/A	N/A	01AUG2014
	3	18.12	N/A	N/A	04AUG2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.48	N/A	N/A	04AUG2014
	2	18.64	N/A	N/A	04AUG2014
	1	18.66	N/A	N/A	05AUG2014
	3	18.86	N/A	N/A	06AUG2014
	1	18.95	N/A	N/A	06AUG2014
	2	19.27	N/A	N/A	06AUG2014
	2	19.06	N/A	N/A	06AUG2014
	3	18.66	N/A	N/A	06AUG2014
	1	19.10	N/A	N/A	07AUG2014
	2	19.33	N/A	N/A	07AUG2014
	3	18.95	N/A	N/A	07AUG2014
	2	19.23	N/A	N/A	07AUG2014
	1	19.22	N/A	N/A	07AUG2014
	3	18.80	N/A	N/A	07AUG2014
	1	18.16	N/A	N/A	08AUG2014
	2	18.20	N/A	N/A	08AUG2014
	3	18.58	N/A	N/A	08AUG2014
	1	18.60	N/A	N/A	11AUG2014
	3	18.94	N/A	N/A	11AUG2014
	2	18.39	N/A	N/A	11AUG2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.77	N/A	N/A	13AUG2014
	2	18.57	N/A	N/A	13AUG2014
	3	19.25	N/A	N/A	13AUG2014
	1	18.58	N/A	N/A	13AUG2014
	2	18.19	N/A	N/A	13AUG2014
	3	18.75	N/A	N/A	13AUG2014
	1	18.90	N/A	N/A	14AUG2014
	2	18.39	N/A	N/A	14AUG2014
	3	18.98	N/A	N/A	14AUG2014
	3	19.43	N/A	N/A	15AUG2014
	1	18.75	N/A	N/A	15AUG2014
	2	18.62	N/A	N/A	15AUG2014
	1	18.80	N/A	N/A	15AUG2014
	2	18.53	N/A	N/A	15AUG2014
	3	18.98	N/A	N/A	15AUG2014
	3	18.65	N/A	N/A	18AUG2014
	1	18.47	N/A	N/A	18AUG2014
	2	18.03	N/A	N/A	18AUG2014
	3	19.44	N/A	N/A	20AUG2014
	1	19.06	N/A	N/A	20AUG2014

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.13	N/A	N/A	20AUG2014
	1	19.61	N/A	N/A	20AUG2014
	2	19.50	N/A	N/A	20AUG2014
	3	20.43	N/A	N/A	20AUG2014
	3	18.08	N/A	N/A	21AUG2014
	1	18.72	N/A	N/A	21AUG2014
	2	17.80	N/A	N/A	21AUG2014
	3	20.45	N/A	N/A	21AUG2014
	2	19.73	N/A	N/A	21AUG2014
	1	19.94	N/A	N/A	22AUG2014
	1	18.33	N/A	N/A	22AUG2014
	2	17.98	N/A	N/A	22AUG2014
	3	18.39	N/A	N/A	22AUG2014
	3	20.49	N/A	N/A	25AUG2014
	1	19.99	N/A	N/A	25AUG2014
	2	19.52	N/A	N/A	25AUG2014
	3	20.73	N/A	N/A	25AUG2014
	1	20.05	N/A	N/A	25AUG2014
	2	20.07	N/A	N/A	25AUG2014
	1	20.57	N/A	N/A	26AUG2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	20.18	N/A	N/A	26AUG2014
	3	19.98	N/A	N/A	26AUG2014
	3	19.40	N/A	N/A	27AUG2014
	1	19.46	N/A	N/A	27AUG2014
	2	18.81	N/A	N/A	27AUG2014
	1	20.95	N/A	N/A	27AUG2014
	2	20.03	N/A	N/A	27AUG2014
	3	20.27	N/A	N/A	27AUG2014
	3	19.48	N/A	N/A	28AUG2014
	1	18.95	N/A	N/A	28AUG2014
	2	18.65	N/A	N/A	28AUG2014
	3	18.91	N/A	N/A	28AUG2014
	1	19.23	N/A	N/A	28AUG2014
	2	19.07	N/A	N/A	28AUG2014
	2	19.09	N/A	N/A	28AUG2014
	1	19.42	N/A	N/A	28AUG2014
	3	18.92	N/A	N/A	28AUG2014
	3	19.07	N/A	N/A	29AUG2014
	1	19.15	N/A	N/A	29AUG2014
	2	19.12	N/A	N/A	29AUG2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.16	N/A	N/A	30AUG2014
	3	19.24	N/A	N/A	30AUG2014
	2	19.01	N/A	N/A	30AUG2014
	1	19.39	N/A	N/A	02SEP2014
	2	19.28	N/A	N/A	02SEP2014
	3	19.22	N/A	N/A	02SEP2014
	3	19.06	N/A	N/A	02SEP2014
	1	18.83	N/A	N/A	02SEP2014
	2	18.97	N/A	N/A	02SEP2014
	1	20.29	N/A	N/A	03SEP2014
	2	19.99	N/A	N/A	03SEP2014
	3	20.02	N/A	N/A	03SEP2014
	3	19.21	N/A	N/A	03SEP2014
	1	19.10	N/A	N/A	03SEP2014
	2	19.05	N/A	N/A	03SEP2014
	3	18.49	N/A	N/A	04SEP2014
	1	19.52	N/A	N/A	04SEP2014
	2	19.25	N/A	N/A	04SEP2014
	1	20.09	N/A	N/A	05SEP2014
	2	19.85	N/A	N/A	05SEP2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	20.25	N/A	N/A	05SEP2014
	1	19.41	N/A	N/A	05SEP2014
	2	19.75	N/A	N/A	05SEP2014
	3	19.09	N/A	N/A	05SEP2014
	2	18.94	N/A	N/A	05SEP2014
	3	19.16	N/A	N/A	06SEP2014
	1	19.15	N/A	N/A	06SEP2014
	2	19.15	N/A	N/A	06SEP2014
	3	19.38	N/A	N/A	08SEP2014
	1	19.12	N/A	N/A	08SEP2014
	1	19.88	N/A	N/A	08SEP2014
	2	19.83	N/A	N/A	08SEP2014
	3	20.26	N/A	N/A	08SEP2014
	3	19.16	N/A	N/A	09SEP2014
	1	18.68	N/A	N/A	09SEP2014
	2	19.48	N/A	N/A	09SEP2014
	1	20.05	N/A	N/A	10SEP2014
	2	19.58	N/A	N/A	10SEP2014
	3	19.04	N/A	N/A	10SEP2014
	3	19.21	N/A	N/A	10SEP2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.77	N/A	N/A	10SEP2014
	2	19.27	N/A	N/A	10SEP2014
	1	20.03	N/A	N/A	10SEP2014
	2	18.99	N/A	N/A	10SEP2014
	1	18.80	N/A	N/A	11SEP2014
	2	19.12	N/A	N/A	11SEP2014
	3	19.05	N/A	N/A	11SEP2014
	3	19.28	N/A	N/A	11SEP2014
	3	18.97	N/A	N/A	12SEP2014
	1	19.65	N/A	N/A	12SEP2014
	2	19.01	N/A	N/A	12SEP2014
	1	19.66	N/A	N/A	12SEP2014
	3	18.94	N/A	N/A	15SEP2014
	2	18.87	N/A	N/A	15SEP2014
	1	19.28	N/A	N/A	16SEP2014
	2	18.95	N/A	N/A	16SEP2014
	3	19.00	N/A	N/A	16SEP2014
	3	19.10	N/A	N/A	17SEP2014
	1	19.28	N/A	N/A	17SEP2014
	2	19.06	N/A	N/A	17SEP2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.06	N/A	N/A	18SEP2014
	1	19.61	N/A	N/A	18SEP2014
	2	19.25	N/A	N/A	18SEP2014
	1	19.85	N/A	N/A	18SEP2014
	2	19.23	N/A	N/A	18SEP2014
	3	19.20	N/A	N/A	18SEP2014
	3	19.39	N/A	N/A	19SEP2014
	1	19.66	N/A	N/A	19SEP2014
	2	19.31	N/A	N/A	19SEP2014
	1	19.72	N/A	N/A	19SEP2014
	2	19.05	N/A	N/A	19SEP2014
	3	19.20	N/A	N/A	19SEP2014
	3	19.24	N/A	N/A	19SEP2014
	1	19.79	N/A	N/A	19SEP2014
	2	19.37	N/A	N/A	19SEP2014
	1	19.58	N/A	N/A	22SEP2014
	3	19.96	N/A	N/A	22SEP2014
	2	19.11	N/A	N/A	22SEP2014
	1	20.23	N/A	N/A	22SEP2014
	2	20.22	N/A	N/A	22SEP2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	20.72	N/A	N/A	22SEP2014
	2	20.75	N/A	N/A	23SEP2014
	3	20.77	N/A	N/A	23SEP2014
	1	20.11	N/A	N/A	23SEP2014
	1	20.22	N/A	N/A	24SEP2014
	3	20.27	N/A	N/A	24SEP2014
	2	20.20	N/A	N/A	24SEP2014
	1	19.86	N/A	N/A	25SEP2014
	2	20.16	N/A	N/A	25SEP2014
	3	19.91	N/A	N/A	25SEP2014
	3	19.90	N/A	N/A	25SEP2014
	1	19.58	N/A	N/A	25SEP2014
	2	19.27	N/A	N/A	25SEP2014
	1	19.47	N/A	N/A	26SEP2014
	2	19.67	N/A	N/A	26SEP2014
	3	20.16	N/A	N/A	26SEP2014
	3	19.99	N/A	N/A	26SEP2014
	1	19.60	N/A	N/A	26SEP2014
	2	19.30	N/A	N/A	26SEP2014
	1	19.70	N/A	N/A	30SEP2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	20.55	N/A	N/A	30SEP2014
	2	20.16	N/A	N/A	30SEP2014
	3	19.98	N/A	N/A	01OCT2014
	1	20.28	N/A	N/A	01OCT2014
	2	20.18	N/A	N/A	01OCT2014
	3	19.79	N/A	N/A	01OCT2014
	1	20.16	N/A	N/A	01OCT2014
	2	20.24	N/A	N/A	01OCT2014
	3	19.97	N/A	N/A	02OCT2014
	1	20.15	N/A	N/A	02OCT2014
	2	20.39	N/A	N/A	02OCT2014
	3	19.43	N/A	N/A	02OCT2014
	1	19.89	N/A	N/A	02OCT2014
	2	19.98	N/A	N/A	02OCT2014
	3	19.73	N/A	N/A	03OCT2014
	1	19.62	N/A	N/A	03OCT2014
	2	19.74	N/A	N/A	03OCT2014
	1	20.21	N/A	N/A	14OCT2014
	2	20.38	N/A	N/A	14OCT2014
	3	20.20	N/A	N/A	14OCT2014

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	20.17	N/A	N/A	15OCT2014
	2	20.58	N/A	N/A	15OCT2014
	3	20.82	N/A	N/A	15OCT2014
	3	19.43	N/A	N/A	15OCT2014
	1	19.01	N/A	N/A	15OCT2014
	2	19.30	N/A	N/A	15OCT2014
	3	21.09	N/A	N/A	16OCT2014
	1	20.29	N/A	N/A	16OCT2014
	2	20.55	N/A	N/A	16OCT2014
	3	19.10	N/A	N/A	17OCT2014
	1	19.09	N/A	N/A	17OCT2014
	2	19.41	N/A	N/A	17OCT2014
	3	18.97	N/A	N/A	17OCT2014
	1	19.00	N/A	N/A	17OCT2014
	2	19.08	N/A	N/A	17OCT2014
	1	18.92	N/A	N/A	20OCT2014
	2	19.14	N/A	N/A	20OCT2014
	3	18.96	N/A	N/A	20OCT2014
	1	18.57	N/A	N/A	21OCT2014
	2	18.97	N/A	N/A	21OCT2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	18.85	N/A	N/A	21OCT2014
	1	18.52	N/A	N/A	22OCT2014
	2	18.59	N/A	N/A	22OCT2014
	3	18.80	N/A	N/A	22OCT2014
	1	18.54	N/A	N/A	23OCT2014
	2	18.76	N/A	N/A	23OCT2014
	3	18.88	N/A	N/A	23OCT2014
	3	18.73	N/A	N/A	24OCT2014
	1	18.85	N/A	N/A	24OCT2014
	2	18.63	N/A	N/A	24OCT2014
	1	18.38	N/A	N/A	27OCT2014
	3	18.48	N/A	N/A	27OCT2014
	2	18.42	N/A	N/A	27OCT2014
	2	19.24	N/A	N/A	27OCT2014
	3	19.43	N/A	N/A	27OCT2014
	1	18.80	N/A	N/A	27OCT2014
	3	19.40	N/A	N/A	28OCT2014
	1	18.80	N/A	N/A	28OCT2014
	2	18.84	N/A	N/A	28OCT2014
	3	19.09	N/A	N/A	29OCT2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.90	N/A	N/A	29OCT2014
	2	19.00	N/A	N/A	29OCT2014
	3	19.24	N/A	N/A	29OCT2014
	1	19.68	N/A	N/A	29OCT2014
	2	18.99	N/A	N/A	29OCT2014
	1	18.91	N/A	N/A	30OCT2014
	3	19.20	N/A	N/A	30OCT2014
	2	18.97	N/A	N/A	30OCT2014
	1	19.12	N/A	N/A	31OCT2014
	2	18.75	N/A	N/A	31OCT2014
	3	19.24	N/A	N/A	31OCT2014
	3	18.51	N/A	N/A	03NOV2014
	1	18.41	N/A	N/A	03NOV2014
	2	18.09	N/A	N/A	03NOV2014
	3	18.86	N/A	N/A	04NOV2014
	1	18.36	N/A	N/A	04NOV2014
	2	18.16	N/A	N/A	04NOV2014
	3	18.28	N/A	N/A	05NOV2014
	1	18.46	N/A	N/A	05NOV2014
	2	18.28	N/A	N/A	05NOV2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.58	N/A	N/A	06NOV2014
	3	18.60	N/A	N/A	06NOV2014
	2	18.66	N/A	N/A	06NOV2014
	3	18.48	N/A	N/A	10NOV2014
	1	18.58	N/A	N/A	10NOV2014
	2	18.50	N/A	N/A	10NOV2014
	3	18.12	N/A	N/A	10NOV2014
	1	18.54	N/A	N/A	10NOV2014
	2	18.24	N/A	N/A	10NOV2014
	3	18.48	N/A	N/A	11NOV2014
	1	18.41	N/A	N/A	11NOV2014
	2	18.48	N/A	N/A	11NOV2014
	3	18.17	N/A	N/A	12NOV2014
	1	18.70	N/A	N/A	12NOV2014
	2	18.68	N/A	N/A	12NOV2014
	3	19.14	N/A	N/A	13NOV2014
	1	18.63	N/A	N/A	13NOV2014
	2	18.76	N/A	N/A	13NOV2014
	3	18.64	N/A	N/A	14NOV2014
	1	19.48	N/A	N/A	14NOV2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	18.59	N/A	N/A	14NOV2014
	1	18.82	N/A	N/A	15NOV2014
	2	18.81	N/A	N/A	15NOV2014
	3	18.10	N/A	N/A	15NOV2014
	3	18.46	N/A	N/A	17NOV2014
	1	18.46	N/A	N/A	17NOV2014
	2	18.51	N/A	N/A	17NOV2014
	3	18.56	N/A	N/A	18NOV2014
	1	18.82	N/A	N/A	18NOV2014
	2	18.72	N/A	N/A	18NOV2014
	3	18.25	N/A	N/A	18NOV2014
	1	18.99	N/A	N/A	18NOV2014
	2	18.83	N/A	N/A	18NOV2014
	1	18.39	N/A	N/A	19NOV2014
	3	18.37	N/A	N/A	19NOV2014
	2	18.28	N/A	N/A	19NOV2014
	1	18.55	N/A	N/A	20NOV2014
	3	18.42	N/A	N/A	20NOV2014
	2	18.24	N/A	N/A	20NOV2014
	1	19.31	N/A	N/A	03DEC2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.31	N/A	N/A	03DEC2014
	2	19.25	N/A	N/A	03DEC2014
	3	19.25	N/A	N/A	04DEC2014
	1	19.20	N/A	N/A	04DEC2014
	2	19.06	N/A	N/A	04DEC2014
	3	19.06	N/A	N/A	04DEC2014
	1	19.18	N/A	N/A	04DEC2014
	2	18.92	N/A	N/A	04DEC2014
	3	18.89	N/A	N/A	05DEC2014
	1	19.09	N/A	N/A	05DEC2014
	2	18.89	N/A	N/A	05DEC2014
	3	19.15	N/A	N/A	05DEC2014
	1	19.07	N/A	N/A	05DEC2014
	2	18.95	N/A	N/A	05DEC2014
	1	18.61	N/A	N/A	06DEC2014
	2	18.46	N/A	N/A	06DEC2014
	3	18.61	N/A	N/A	06DEC2014
	3	18.65	N/A	N/A	09DEC2014
	1	18.57	N/A	N/A	09DEC2014
	2	18.19	N/A	N/A	09DEC2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	18.05	N/A	N/A	10DEC2014
	1	18.70	N/A	N/A	10DEC2014
	2	19.06	N/A	N/A	10DEC2014
	1	18.69	N/A	N/A	11DEC2014
	2	19.15	N/A	N/A	11DEC2014
	3	18.08	N/A	N/A	11DEC2014
	1	18.59	N/A	N/A	16DEC2014
	3	19.21	N/A	N/A	16DEC2014
	2	18.73	N/A	N/A	16DEC2014
	2	18.84	N/A	N/A	06JAN2015
	1	18.47	N/A	N/A	06JAN2015
	3	18.84	N/A	N/A	06JAN2015
	3	18.89	N/A	N/A	09JAN2015
	1	19.30	N/A	N/A	09JAN2015
	2	18.74	N/A	N/A	09JAN2015
	3	19.42	N/A	N/A	12JAN2015
	1	18.88	N/A	N/A	12JAN2015
	2	18.68	N/A	N/A	12JAN2015
	3	18.25	N/A	N/A	15JAN2015
	1	18.58	N/A	N/A	15JAN2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	18.39	N/A	N/A	15JAN2015
	3	18.25	N/A	N/A	21JAN2015
	1	19.06	N/A	N/A	21JAN2015
	2	18.53	N/A	N/A	21JAN2015
	3	18.89	N/A	N/A	22JAN2015
	1	18.79	N/A	N/A	22JAN2015
	2	18.32	N/A	N/A	22JAN2015
	1	18.45	N/A	N/A	23JAN2015
	2	18.07	N/A	N/A	23JAN2015
	3	18.50	N/A	N/A	23JAN2015
	3	18.16	N/A	N/A	26JAN2015
	1	18.86	N/A	N/A	26JAN2015
	2	17.84	N/A	N/A	26JAN2015
	1	18.67	N/A	N/A	28JAN2015
	2	18.15	N/A	N/A	28JAN2015
	3	19.13	N/A	N/A	28JAN2015
	3	19.40	N/A	N/A	29JAN2015
	1	19.13	N/A	N/A	29JAN2015
	2	19.39	N/A	N/A	29JAN2015
	3	19.81	N/A	N/A	30JAN2015

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.12	N/A	N/A	30JAN2015
	2	19.64	N/A	N/A	30JAN2015
	1	18.16	N/A	N/A	02FEB2015
	3	18.73	N/A	N/A	02FEB2015
	2	18.19	N/A	N/A	02FEB2015
	3	18.34	N/A	N/A	03FEB2015
	1	18.74	N/A	N/A	03FEB2015
	2	18.03	N/A	N/A	03FEB2015
	3	18.10	N/A	N/A	04FEB2015
	1	18.55	N/A	N/A	04FEB2015
	2	18.67	N/A	N/A	04FEB2015
	3	18.15	N/A	N/A	05FEB2015
	1	18.48	N/A	N/A	05FEB2015
	2	18.25	N/A	N/A	05FEB2015
	1	19.00	N/A	N/A	06FEB2015
	3	18.85	N/A	N/A	06FEB2015
	2	18.54	N/A	N/A	06FEB2015
	3	19.04	N/A	N/A	09FEB2015
	1	18.31	N/A	N/A	09FEB2015
	2	18.40	N/A	N/A	09FEB2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.77	N/A	N/A	10FEB2015
	3	18.43	N/A	N/A	10FEB2015
	2	18.75	N/A	N/A	11FEB2015
	3	18.43	N/A	N/A	11FEB2015
	1	18.42	N/A	N/A	11FEB2015
	2	18.37	N/A	N/A	11FEB2015
	3	19.14	N/A	N/A	12FEB2015
	1	19.16	N/A	N/A	12FEB2015
	2	19.21	N/A	N/A	12FEB2015
	1	18.65	N/A	N/A	16FEB2015
	2	18.75	N/A	N/A	16FEB2015
	3	19.25	N/A	N/A	16FEB2015
	1	18.79	N/A	N/A	16FEB2015
	2	18.70	N/A	N/A	16FEB2015
	3	19.10	N/A	N/A	16FEB2015
	1	18.56	N/A	N/A	16FEB2015
	2	18.10	N/A	N/A	16FEB2015
	3	18.23	N/A	N/A	16FEB2015
	2	19.07	N/A	N/A	18FEB2015
	1	18.40	N/A	N/A	18FEB2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	18.26	N/A	N/A	18FEB2015
	1	18.52	N/A	N/A	18FEB2015
	2	18.59	N/A	N/A	18FEB2015
	3	19.13	N/A	N/A	18FEB2015
	3	17.87	N/A	N/A	19FEB2015
	1	18.35	N/A	N/A	19FEB2015
	2	18.93	N/A	N/A	19FEB2015
	3	18.68	N/A	N/A	20FEB2015
	1	18.72	N/A	N/A	20FEB2015
	2	18.57	N/A	N/A	20FEB2015
	3	18.09	N/A	N/A	20FEB2015
	1	18.56	N/A	N/A	20FEB2015
	2	18.52	N/A	N/A	20FEB2015
	1	18.15	N/A	N/A	23FEB2015
	2	18.24	N/A	N/A	23FEB2015
	3	18.82	N/A	N/A	23FEB2015
	1	18.78	N/A	N/A	25FEB2015
	2	18.88	N/A	N/A	25FEB2015
	3	18.86	N/A	N/A	25FEB2015
	3	18.20	N/A	N/A	25FEB2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.45	N/A	N/A	25FEB2015
	2	18.19	N/A	N/A	25FEB2015
	3	18.36	N/A	N/A	26FEB2015
	1	18.15	N/A	N/A	26FEB2015
	2	18.15	N/A	N/A	26FEB2015
	3	18.63	N/A	N/A	27FEB2015
	1	18.76	N/A	N/A	27FEB2015
	2	18.81	N/A	N/A	27FEB2015
	1	18.38	N/A	N/A	27FEB2015
	3	18.67	N/A	N/A	27FEB2015
	2	18.62	N/A	N/A	27FEB2015
	3	18.57	N/A	N/A	02MAR2015
	1	18.85	N/A	N/A	02MAR2015
	2	18.68	N/A	N/A	02MAR2015
	1	18.40	N/A	N/A	02MAR2015
	2	18.80	N/A	N/A	02MAR2015
	3	18.82	N/A	N/A	02MAR2015
	3	18.32	N/A	N/A	03MAR2015
	1	18.48	N/A	N/A	03MAR2015
	2	18.65	N/A	N/A	03MAR2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.09	N/A	N/A	03MAR2015
	2	18.09	N/A	N/A	03MAR2015
	3	18.68	N/A	N/A	03MAR2015
	1	19.23	N/A	N/A	04MAR2015
	3	19.17	N/A	N/A	04MAR2015
	2	19.24	N/A	N/A	04MAR2015
	3	18.38	N/A	N/A	04MAR2015
	1	18.72	N/A	N/A	04MAR2015
	2	18.73	N/A	N/A	04MAR2015
	3	18.67	N/A	N/A	05MAR2015
	1	18.74	N/A	N/A	05MAR2015
	2	18.18	N/A	N/A	05MAR2015
	3	18.32	N/A	N/A	05MAR2015
	1	18.42	N/A	N/A	05MAR2015
	2	18.60	N/A	N/A	05MAR2015
	1	19.18	N/A	N/A	06MAR2015
	2	19.68	N/A	N/A	06MAR2015
	3	19.55	N/A	N/A	06MAR2015
	1	19.15	N/A	N/A	06MAR2015
	3	19.56	N/A	N/A	06MAR2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.56	N/A	N/A	06MAR2015
	3	19.52	N/A	N/A	09MAR2015
	1	19.23	N/A	N/A	09MAR2015
	2	19.58	N/A	N/A	09MAR2015
	1	19.11	N/A	N/A	10MAR2015
	2	19.49	N/A	N/A	10MAR2015
	3	19.50	N/A	N/A	10MAR2015
	3	20.04	N/A	N/A	11MAR2015
	1	19.83	N/A	N/A	11MAR2015
	2	19.94	N/A	N/A	11MAR2015
	3	20.14	N/A	N/A	11MAR2015
	1	19.89	N/A	N/A	11MAR2015
	2	20.04	N/A	N/A	11MAR2015
	3	20.07	N/A	N/A	12MAR2015
	1	19.95	N/A	N/A	12MAR2015
	2	19.94	N/A	N/A	12MAR2015
	3	19.56	N/A	N/A	13MAR2015
	1	18.98	N/A	N/A	13MAR2015
	2	19.70	N/A	N/A	13MAR2015
	3	19.35	N/A	N/A	16MAR2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.38	N/A	N/A	16MAR2015
	2	19.65	N/A	N/A	16MAR2015
	3	19.05	N/A	N/A	17MAR2015
	1	19.18	N/A	N/A	17MAR2015
	2	19.55	N/A	N/A	17MAR2015
	3	19.00	N/A	N/A	18MAR2015
	1	19.31	N/A	N/A	18MAR2015
	2	19.36	N/A	N/A	18MAR2015
	1	19.13	N/A	N/A	20MAR2015
	2	19.19	N/A	N/A	20MAR2015
	3	18.84	N/A	N/A	20MAR2015
	3	19.18	N/A	N/A	25MAR2015
	1	18.62	N/A	N/A	25MAR2015
	2	18.62	N/A	N/A	25MAR2015
	3	19.99	N/A	N/A	26MAR2015
	1	19.15	N/A	N/A	26MAR2015
	2	19.47	N/A	N/A	26MAR2015
	3	19.16	N/A	N/A	27MAR2015
	1	18.28	N/A	N/A	27MAR2015
	2	18.61	N/A	N/A	27MAR2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.54	N/A	N/A	01APR2015
	1	19.32	N/A	N/A	01APR2015
	2	19.74	N/A	N/A	01APR2015
	3	19.88	N/A	N/A	06APR2015
	1	19.32	N/A	N/A	06APR2015
	2	19.68	N/A	N/A	06APR2015
	3	20.06	N/A	N/A	08APR2015
	1	19.23	N/A	N/A	08APR2015
	2	19.44	N/A	N/A	08APR2015
	3	19.91	N/A	N/A	08APR2015
	2	19.59	N/A	N/A	08APR2015
	1	19.68	N/A	N/A	08APR2015
	3	19.35	N/A	N/A	10APR2015
	1	19.18	N/A	N/A	10APR2015
	2	19.57	N/A	N/A	10APR2015
	1	18.76	N/A	N/A	14APR2015
	2	19.43	N/A	N/A	14APR2015
	3	18.94	N/A	N/A	14APR2015
	3	18.99	N/A	N/A	16APR2015
	1	19.66	N/A	N/A	16APR2015

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.77	N/A	N/A	16APR2015
	3	19.68	N/A	N/A	17APR2015
	1	19.55	N/A	N/A	17APR2015
	2	20.01	N/A	N/A	17APR2015
	3	20.11	N/A	N/A	20APR2015
	2	19.24	N/A	N/A	20APR2015
	1	19.41	N/A	N/A	20APR2015
	1	18.65	N/A	N/A	22APR2015
	2	18.75	N/A	N/A	22APR2015
	3	17.98	N/A	N/A	22APR2015
	3	18.95	N/A	N/A	23APR2015
	1	19.31	N/A	N/A	23APR2015
	2	19.82	N/A	N/A	23APR2015
	3	20.95	N/A	N/A	24APR2015
	1	20.28	N/A	N/A	24APR2015
	2	20.56	N/A	N/A	24APR2015
	3	21.34	N/A	N/A	27APR2015
	1	20.60	N/A	N/A	27APR2015
	2	20.43	N/A	N/A	27APR2015
	1	19.88	N/A	N/A	27APR2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.99	N/A	N/A	27APR2015
	3	20.04	N/A	N/A	27APR2015
	1	20.27	N/A	N/A	29APR2015
	3	20.27	N/A	N/A	29APR2015
	2	20.37	N/A	N/A	29APR2015
	1	20.01	N/A	N/A	30APR2015
	3	19.74	N/A	N/A	30APR2015
	2	19.97	N/A	N/A	30APR2015
	3	19.92	N/A	N/A	04MAY2015
	1	20.13	N/A	N/A	04MAY2015
	2	20.37	N/A	N/A	04MAY2015
	3	20.86	N/A	N/A	06MAY2015
	1	20.64	N/A	N/A	06MAY2015
	2	20.89	N/A	N/A	06MAY2015
	1	20.91	N/A	N/A	12MAY2015
	2	20.78	N/A	N/A	12MAY2015
	3	20.72	N/A	N/A	12MAY2015
	3	21.27	N/A	N/A	13MAY2015
	1	20.57	N/A	N/A	13MAY2015
	2	20.88	N/A	N/A	13MAY2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	21.02	N/A	N/A	14MAY2015
	1	20.53	N/A	N/A	14MAY2015
	2	20.70	N/A	N/A	14MAY2015
	1	18.82	N/A	N/A	18MAY2015
	2	18.97	N/A	N/A	18MAY2015
	3	18.55	N/A	N/A	18MAY2015
	1	21.09	N/A	N/A	19MAY2015
	3	20.36	N/A	N/A	19MAY2015
	2	21.01	N/A	N/A	19MAY2015
	1	20.05	N/A	N/A	20MAY2015
	2	20.13	N/A	N/A	20MAY2015
	3	20.18	N/A	N/A	20MAY2015
	1	20.68	N/A	N/A	21MAY2015
	2	20.63	N/A	N/A	21MAY2015
	3	20.56	N/A	N/A	21MAY2015
	1	20.42	N/A	N/A	22MAY2015
	3	20.75	N/A	N/A	22MAY2015
	2	20.54	N/A	N/A	22MAY2015
	3	19.74	N/A	N/A	27MAY2015
	1	19.57	N/A	N/A	27MAY2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.72	N/A	N/A	27MAY2015
	1	19.56	N/A	N/A	28MAY2015
	2	19.87	N/A	N/A	28MAY2015
	3	19.77	N/A	N/A	28MAY2015
	1	19.66	N/A	N/A	29MAY2015
	2	19.87	N/A	N/A	29MAY2015
	3	19.59	N/A	N/A	29MAY2015
	3	19.16	N/A	N/A	01JUN2015
	1	19.66	N/A	N/A	01JUN2015
	2	19.86	N/A	N/A	01JUN2015
	1	19.49	N/A	N/A	02JUN2015
	3	19.03	N/A	N/A	02JUN2015
	2	19.80	N/A	N/A	02JUN2015
	3	19.72	N/A	N/A	04JUN2015
	1	20.50	N/A	N/A	04JUN2015
	2	19.92	N/A	N/A	04JUN2015
	1	19.36	N/A	N/A	08JUN2015
	3	19.63	N/A	N/A	08JUN2015
	2	19.41	N/A	N/A	08JUN2015
	1	19.51	N/A	N/A	09JUN2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.66	N/A	N/A	09JUN2015
	3	19.91	N/A	N/A	09JUN2015
	3	19.92	N/A	N/A	10JUN2015
	1	19.62	N/A	N/A	10JUN2015
	2	19.78	N/A	N/A	10JUN2015
	1	19.73	N/A	N/A	12JUN2015
	3	19.96	N/A	N/A	12JUN2015
	2	19.87	N/A	N/A	12JUN2015
	1	18.94	N/A	N/A	18JUN2015
	2	18.96	N/A	N/A	18JUN2015
	3	19.34	N/A	N/A	18JUN2015
	3	19.03	N/A	N/A	19JUN2015
	1	19.15	N/A	N/A	19JUN2015
	2	19.52	N/A	N/A	19JUN2015
	1	19.35	N/A	N/A	26JUN2015
	2	19.30	N/A	N/A	26JUN2015
	3	18.97	N/A	N/A	26JUN2015
	3	18.91	N/A	N/A	26JUN2015
	1	19.37	N/A	N/A	26JUN2015
	2	19.33	N/A	N/A	26JUN2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.20	N/A	N/A	29JUN2015
	2	19.32	N/A	N/A	29JUN2015
	3	19.07	N/A	N/A	29JUN2015
	3	19.46	N/A	N/A	30JUN2015
	1	19.23	N/A	N/A	30JUN2015
	2	18.95	N/A	N/A	30JUN2015
	3	19.28	N/A	N/A	16JUL2015
	1	19.25	N/A	N/A	16JUL2015
	2	19.32	N/A	N/A	16JUL2015
	3	18.96	N/A	N/A	22JUL2015
	1	18.66	N/A	N/A	22JUL2015
	2	18.69	N/A	N/A	22JUL2015
	3	19.16	N/A	N/A	22JUL2015
	1	19.31	N/A	N/A	22JUL2015
	2	19.35	N/A	N/A	22JUL2015
	3	18.71	N/A	N/A	23JUL2015
	1	18.60	N/A	N/A	23JUL2015
	2	19.10	N/A	N/A	23JUL2015
	2	19.28	N/A	N/A	23JUL2015
	3	18.94	N/A	N/A	23JUL2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.80	N/A	N/A	23JUL2015
	1	19.22	N/A	N/A	24JUL2015
	2	19.21	N/A	N/A	24JUL2015
	3	18.35	N/A	N/A	24JUL2015
	3	19.06	N/A	N/A	27JUL2015
	1	19.47	N/A	N/A	27JUL2015
	2	19.31	N/A	N/A	27JUL2015
	3	18.20	N/A	N/A	27JUL2015
	1	19.13	N/A	N/A	27JUL2015
	2	19.16	N/A	N/A	27JUL2015
	3	18.44	N/A	N/A	29JUL2015
	1	18.94	N/A	N/A	29JUL2015
	2	19.15	N/A	N/A	29JUL2015
	3	19.29	N/A	N/A	29JUL2015
	1	18.95	N/A	N/A	29JUL2015
	2	19.24	N/A	N/A	29JUL2015
	3	18.89	N/A	N/A	31JUL2015
	1	19.35	N/A	N/A	31JUL2015
	2	19.29	N/A	N/A	31JUL2015
	1	18.75	N/A	N/A	05AUG2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.13	N/A	N/A	05AUG2015
	3	19.13	N/A	N/A	05AUG2015
	2	19.31	N/A	N/A	05AUG2015
	3	18.57	N/A	N/A	06AUG2015
	1	17.93	N/A	N/A	06AUG2015
	2	18.45	N/A	N/A	06AUG2015
	3	19.27	N/A	N/A	06AUG2015
	1	19.38	N/A	N/A	06AUG2015
	3	18.20	N/A	N/A	06AUG2015
	1	18.44	N/A	N/A	06AUG2015
	2	18.44	N/A	N/A	06AUG2015
	3	19.03	N/A	N/A	07AUG2015
	1	19.44	N/A	N/A	07AUG2015
	2	19.29	N/A	N/A	07AUG2015
	3	18.08	N/A	N/A	07AUG2015
	1	18.42	N/A	N/A	07AUG2015
	2	18.39	N/A	N/A	07AUG2015
	1	19.42	N/A	N/A	10AUG2015
	2	19.26	N/A	N/A	10AUG2015
	3	19.06	N/A	N/A	10AUG2015

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.04	N/A	N/A	11AUG2015
	2	19.28	N/A	N/A	11AUG2015
	3	18.97	N/A	N/A	11AUG2015
	1	18.41	N/A	N/A	11AUG2015
	2	18.44	N/A	N/A	11AUG2015
	3	18.15	N/A	N/A	11AUG2015
	3	18.15	N/A	N/A	12AUG2015
	1	18.39	N/A	N/A	12AUG2015
	2	18.43	N/A	N/A	12AUG2015
	3	18.79	N/A	N/A	12AUG2015
	1	19.14	N/A	N/A	12AUG2015
	2	18.98	N/A	N/A	12AUG2015
	1	18.35	N/A	N/A	13AUG2015
	2	18.61	N/A	N/A	13AUG2015
	3	18.53	N/A	N/A	13AUG2015
	3	18.49	N/A	N/A	14AUG2015
	1	18.11	N/A	N/A	14AUG2015
	2	18.71	N/A	N/A	14AUG2015
	1	19.63	N/A	N/A	15AUG2015
	2	19.26	N/A	N/A	15AUG2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	18.67	N/A	N/A	15AUG2015
	1	19.41	N/A	N/A	17AUG2015
	2	19.95	N/A	N/A	17AUG2015
	3	19.28	N/A	N/A	17AUG2015
	3	19.80	N/A	N/A	17AUG2015
	1	19.69	N/A	N/A	17AUG2015
	2	19.07	N/A	N/A	17AUG2015
	3	19.16	N/A	N/A	18AUG2015
	1	19.53	N/A	N/A	18AUG2015
	2	19.78	N/A	N/A	18AUG2015
	2	18.93	N/A	N/A	18AUG2015
	1	19.41	N/A	N/A	18AUG2015
	3	19.02	N/A	N/A	18AUG2015
	3	19.39	N/A	N/A	18AUG2015
	1	19.32	N/A	N/A	18AUG2015
	2	18.65	N/A	N/A	18AUG2015
	2	19.25	N/A	N/A	19AUG2015
	3	19.22	N/A	N/A	19AUG2015
	1	19.84	N/A	N/A	19AUG2015
	3	19.44	N/A	N/A	19AUG2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	19.75	N/A	N/A	19AUG2015
	2	19.36	N/A	N/A	19AUG2015
	1	19.64	N/A	N/A	20AUG2015
	2	19.19	N/A	N/A	20AUG2015
	3	19.24	N/A	N/A	20AUG2015
	3	19.30	N/A	N/A	20AUG2015
	1	19.10	N/A	N/A	20AUG2015
	2	19.13	N/A	N/A	20AUG2015
	1	19.72	N/A	N/A	20AUG2015
	2	19.19	N/A	N/A	20AUG2015
	3	19.29	N/A	N/A	20AUG2015
	3	19.32	N/A	N/A	20AUG2015
	1	19.01	N/A	N/A	20AUG2015
	2	19.10	N/A	N/A	20AUG2015
	3	19.13	N/A	N/A	21AUG2015
	1	19.58	N/A	N/A	21AUG2015
	2	19.58	N/A	N/A	21AUG2015
	3	19.25	N/A	N/A	21AUG2015
	1	19.46	N/A	N/A	21AUG2015
	2	19.52	N/A	N/A	21AUG2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.22	N/A	N/A	22AUG2015
	1	19.10	N/A	N/A	22AUG2015
	2	19.22	N/A	N/A	22AUG2015
	2	18.17	N/A	N/A	24AUG2015
	3	18.69	N/A	N/A	24AUG2015
	1	19.03	N/A	N/A	24AUG2015
	1	19.09	N/A	N/A	25AUG2015
	2	19.03	N/A	N/A	25AUG2015
	3	18.40	N/A	N/A	25AUG2015
	1	18.34	N/A	N/A	25AUG2015
	2	18.24	N/A	N/A	25AUG2015
	3	18.38	N/A	N/A	25AUG2015
	1	18.29	N/A	N/A	25AUG2015
	2	18.24	N/A	N/A	25AUG2015
	3	18.32	N/A	N/A	25AUG2015
	1	18.98	N/A	N/A	26AUG2015
	2	18.88	N/A	N/A	26AUG2015
	3	18.29	N/A	N/A	26AUG2015
	3	18.76	N/A	N/A	26AUG2015
	1	18.31	N/A	N/A	26AUG2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	18.31	N/A	N/A	26AUG2015
	1	18.69	N/A	N/A	26AUG2015
	2	18.34	N/A	N/A	26AUG2015
	3	18.23	N/A	N/A	26AUG2015
	3	18.03	N/A	N/A	27AUG2015
	1	18.70	N/A	N/A	27AUG2015
	2	18.01	N/A	N/A	27AUG2015
	1	18.95	N/A	N/A	27AUG2015
	2	18.92	N/A	N/A	27AUG2015
	3	18.38	N/A	N/A	27AUG2015
	1	18.13	N/A	N/A	27AUG2015
	2	18.76	N/A	N/A	27AUG2015
	3	19.06	N/A	N/A	27AUG2015
	1	19.03	N/A	N/A	28AUG2015
	2	19.08	N/A	N/A	28AUG2015
	3	18.34	N/A	N/A	28AUG2015
	3	19.50	N/A	N/A	28AUG2015
	1	18.58	N/A	N/A	28AUG2015
	2	19.16	N/A	N/A	28AUG2015
	1	19.23	N/A	N/A	31AUG2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.11	N/A	N/A	31AUG2015
	3	18.27	N/A	N/A	31AUG2015
	3	19.68	N/A	N/A	01SEP2015
	1	18.96	N/A	N/A	01SEP2015
	2	19.12	N/A	N/A	01SEP2015
	3	19.11	N/A	N/A	01SEP2015
	1	18.77	N/A	N/A	01SEP2015
	2	19.17	N/A	N/A	01SEP2015
	2	18.91	N/A	N/A	02SEP2015
	3	18.79	N/A	N/A	02SEP2015
	1	19.24	N/A	N/A	02SEP2015
	3	19.47	N/A	N/A	02SEP2015
	1	18.87	N/A	N/A	02SEP2015
	2	19.11	N/A	N/A	02SEP2015
	1	18.62	N/A	N/A	03SEP2015
	2	18.87	N/A	N/A	03SEP2015
	3	18.74	N/A	N/A	03SEP2015
	3	17.99	N/A	N/A	03SEP2015
	1	18.73	N/A	N/A	03SEP2015
	2	18.77	N/A	N/A	03SEP2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.68	N/A	N/A	03SEP2015
	2	18.80	N/A	N/A	03SEP2015
	3	18.83	N/A	N/A	03SEP2015
	1	18.58	N/A	N/A	03SEP2015
	2	18.81	N/A	N/A	03SEP2015
	3	18.37	N/A	N/A	03SEP2015
	3	17.84	N/A	N/A	04SEP2015
	1	18.63	N/A	N/A	04SEP2015
	2	18.53	N/A	N/A	04SEP2015
	3	17.83	N/A	N/A	08SEP2015
	1	18.06	N/A	N/A	08SEP2015
	2	17.96	N/A	N/A	08SEP2015
	3	18.48	N/A	N/A	09SEP2015
	1	18.16	N/A	N/A	09SEP2015
	2	18.15	N/A	N/A	09SEP2015
	1	17.74	N/A	N/A	09SEP2015
	2	17.83	N/A	N/A	09SEP2015
	3	17.70	N/A	N/A	09SEP2015
	3	19.02	N/A	N/A	09SEP2015
	1	18.59	N/A	N/A	09SEP2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	18.59	N/A	N/A	09SEP2015
	3	18.75	N/A	N/A	10SEP2015
	1	18.46	N/A	N/A	10SEP2015
	2	18.28	N/A	N/A	10SEP2015
	1	19.05	N/A	N/A	11SEP2015
	3	18.82	N/A	N/A	11SEP2015
	2	19.19	N/A	N/A	11SEP2015
	3	18.35	N/A	N/A	14SEP2015
	1	18.50	N/A	N/A	14SEP2015
	2	18.49	N/A	N/A	14SEP2015
	3	18.84	N/A	N/A	14SEP2015
	1	18.90	N/A	N/A	14SEP2015
	2	18.97	N/A	N/A	14SEP2015
	3	19.01	N/A	N/A	15SEP2015
	1	18.90	N/A	N/A	15SEP2015
	2	19.06	N/A	N/A	15SEP2015
	2	18.75	N/A	N/A	15SEP2015
	3	18.95	N/A	N/A	15SEP2015
	1	18.89	N/A	N/A	15SEP2015
	3	19.02	N/A	N/A	16SEP2015

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.86	N/A	N/A	16SEP2015
	2	19.13	N/A	N/A	16SEP2015
	3	18.13	N/A	N/A	17SEP2015
	1	18.12	N/A	N/A	17SEP2015
	2	18.03	N/A	N/A	17SEP2015
	1	18.41	N/A	N/A	18SEP2015
	3	17.47	N/A	N/A	18SEP2015
	2	18.36	N/A	N/A	18SEP2015
	2	19.48	N/A	N/A	18SEP2015
	3	18.95	N/A	N/A	18SEP2015
	1	19.16	N/A	N/A	18SEP2015
	1	18.98	N/A	N/A	19SEP2015
	3	18.93	N/A	N/A	19SEP2015
	2	19.04	N/A	N/A	19SEP2015
	1	18.93	N/A	N/A	21SEP2015
	3	18.67	N/A	N/A	21SEP2015
	2	18.85	N/A	N/A	21SEP2015
	1	18.65	N/A	N/A	21SEP2015
	2	18.60	N/A	N/A	21SEP2015
	3	18.64	N/A	N/A	21SEP2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.53	N/A	N/A	22SEP2015
	2	18.54	N/A	N/A	22SEP2015
	3	18.29	N/A	N/A	22SEP2015
	3	17.60	N/A	N/A	22SEP2015
	1	18.31	N/A	N/A	22SEP2015
	2	18.16	N/A	N/A	22SEP2015
	3	18.14	N/A	N/A	22SEP2015
	1	18.52	N/A	N/A	22SEP2015
	2	18.61	N/A	N/A	22SEP2015
	3	18.34	N/A	N/A	23SEP2015
	1	18.43	N/A	N/A	23SEP2015
	2	18.05	N/A	N/A	23SEP2015
	3	18.19	N/A	N/A	25SEP2015
	1	18.50	N/A	N/A	25SEP2015
	2	18.32	N/A	N/A	25SEP2015
	1	18.72	N/A	N/A	25SEP2015
	3	18.23	N/A	N/A	25SEP2015
	2	18.55	N/A	N/A	25SEP2015
	1	18.51	N/A	N/A	28SEP2015
	3	18.51	N/A	N/A	28SEP2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	18.28	N/A	N/A	28SEP2015
	1	18.57	N/A	N/A	28SEP2015
	3	18.36	N/A	N/A	28SEP2015
	2	18.42	N/A	N/A	28SEP2015
	3	18.57	N/A	N/A	29SEP2015
	1	18.39	N/A	N/A	29SEP2015
	2	18.08	N/A	N/A	29SEP2015
	3	18.43	N/A	N/A	29SEP2015
	1	18.53	N/A	N/A	29SEP2015
	2	18.39	N/A	N/A	29SEP2015
	3	17.87	N/A	N/A	29SEP2015
	1	18.34	N/A	N/A	29SEP2015
	2	18.50	N/A	N/A	29SEP2015
	2	17.93	N/A	N/A	29SEP2015
	3	18.18	N/A	N/A	29SEP2015
	1	18.34	N/A	N/A	29SEP2015
	3	17.84	N/A	N/A	30SEP2015
	1	18.51	N/A	N/A	30SEP2015
	2	18.21	N/A	N/A	30SEP2015
	1	18.42	N/A	N/A	01OCT2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	18.01	N/A	N/A	01OCT2015
	3	17.58	N/A	N/A	01OCT2015
	3	18.40	N/A	N/A	02OCT2015
	1	18.37	N/A	N/A	02OCT2015
	2	18.48	N/A	N/A	02OCT2015
	3	18.49	N/A	N/A	02OCT2015
	1	18.56	N/A	N/A	02OCT2015
	2	18.59	N/A	N/A	02OCT2015
	3	18.33	N/A	N/A	05OCT2015
	1	18.72	N/A	N/A	05OCT2015
	2	18.51	N/A	N/A	05OCT2015
	2	18.32	N/A	N/A	05OCT2015
	3	18.50	N/A	N/A	05OCT2015
	1	18.48	N/A	N/A	05OCT2015
	3	18.32	N/A	N/A	06OCT2015
	1	18.58	N/A	N/A	06OCT2015
	2	19.06	N/A	N/A	06OCT2015
	3	18.39	N/A	N/A	06OCT2015
	1	18.58	N/A	N/A	06OCT2015
	2	18.82	N/A	N/A	06OCT2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.24	N/A	N/A	07OCT2015
	3	18.63	N/A	N/A	07OCT2015
	2	19.19	N/A	N/A	07OCT2015
	3	18.33	N/A	N/A	08OCT2015
	1	18.28	N/A	N/A	08OCT2015
	2	18.71	N/A	N/A	08OCT2015
	1	18.69	N/A	N/A	09OCT2015
	2	18.80	N/A	N/A	09OCT2015
	3	18.37	N/A	N/A	09OCT2015
	3	18.74	N/A	N/A	09OCT2015
	1	18.39	N/A	N/A	09OCT2015
	2	18.64	N/A	N/A	09OCT2015
	1	19.48	N/A	N/A	13OCT2015
	2	19.44	N/A	N/A	13OCT2015
	3	19.30	N/A	N/A	13OCT2015
	3	18.83	N/A	N/A	13OCT2015
	1	18.47	N/A	N/A	13OCT2015
	2	18.73	N/A	N/A	13OCT2015
	1	19.08	N/A	N/A	14OCT2015
	2	19.43	N/A	N/A	14OCT2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	19.08	N/A	N/A	14OCT2015
	1	18.48	N/A	N/A	15OCT2015
	3	18.98	N/A	N/A	15OCT2015
	2	18.75	N/A	N/A	15OCT2015
	1	19.04	N/A	N/A	15OCT2015
	2	19.38	N/A	N/A	15OCT2015
	3	18.92	N/A	N/A	15OCT2015
	1	18.93	N/A	N/A	16OCT2015
	2	19.49	N/A	N/A	16OCT2015
	3	18.78	N/A	N/A	16OCT2015
	1	18.65	N/A	N/A	16OCT2015
	2	18.72	N/A	N/A	16OCT2015
	3	18.03	N/A	N/A	16OCT2015
	1	17.98	N/A	N/A	20OCT2015
	2	17.79	N/A	N/A	20OCT2015
	3	18.08	N/A	N/A	20OCT2015
	3	18.10	N/A	N/A	21OCT2015
	1	18.52	N/A	N/A	21OCT2015
	2	18.55	N/A	N/A	21OCT2015
	1	18.62	N/A	N/A	22OCT2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	3	18.43	N/A	N/A	22OCT2015
	2	18.72	N/A	N/A	22OCT2015
	3	18.22	N/A	N/A	23OCT2015
	1	18.56	N/A	N/A	23OCT2015
	2	18.64	N/A	N/A	23OCT2015
	2	17.57	N/A	N/A	27OCT2015
	1	18.43	N/A	N/A	27OCT2015
	3	18.05	N/A	N/A	27OCT2015
	1	18.53	N/A	N/A	28OCT2015
	3	18.51	N/A	N/A	28OCT2015
	2	18.63	N/A	N/A	28OCT2015
	1	18.62	N/A	N/A	29OCT2015
	2	18.74	N/A	N/A	29OCT2015
	3	17.83	N/A	N/A	29OCT2015
	1	19.18	N/A	N/A	29OCT2015
	2	18.96	N/A	N/A	29OCT2015
	3	19.22	N/A	N/A	29OCT2015
	1	18.59	N/A	N/A	30OCT2015
	2	18.81	N/A	N/A	30OCT2015
	3	17.80	N/A	N/A	30OCT2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.63	N/A	N/A	02NOV2015
	2	18.81	N/A	N/A	02NOV2015
	3	17.83	N/A	N/A	02NOV2015
	3	18.74	N/A	N/A	03NOV2015
	1	18.12	N/A	N/A	03NOV2015
	2	18.31	N/A	N/A	03NOV2015
	3	18.54	N/A	N/A	04NOV2015
	1	18.18	N/A	N/A	04NOV2015
	2	18.46	N/A	N/A	04NOV2015
	1	19.27	N/A	N/A	04NOV2015
	2	19.48	N/A	N/A	04NOV2015
	3	19.34	N/A	N/A	04NOV2015
	1	18.57	N/A	N/A	04NOV2015
	2	18.56	N/A	N/A	04NOV2015
	3	18.83	N/A	N/A	04NOV2015
	3	18.52	N/A	N/A	05NOV2015
	1	18.38	N/A	N/A	05NOV2015
	2	18.46	N/A	N/A	05NOV2015
	3	18.27	N/A	N/A	06NOV2015
	1	18.32	N/A	N/A	06NOV2015

N/A= not available



Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	18.22	N/A	N/A	06NOV2015
	3	18.27	N/A	N/A	06NOV2015
	1	18.28	N/A	N/A	06NOV2015
	2	18.23	N/A	N/A	06NOV2015
	3	18.25	N/A	N/A	10NOV2015
	1	18.22	N/A	N/A	10NOV2015
	2	18.42	N/A	N/A	10NOV2015
	2	18.45	N/A	N/A	10NOV2015
	1	18.01	N/A	N/A	10NOV2015
	3	18.11	N/A	N/A	10NOV2015
	1	18.12	N/A	N/A	11NOV2015
	2	18.47	N/A	N/A	11NOV2015
	3	18.61	N/A	N/A	11NOV2015
	1	18.15	N/A	N/A	11NOV2015
	2	18.17	N/A	N/A	11NOV2015
	3	18.52	N/A	N/A	11NOV2015
	3	18.68	N/A	N/A	12NOV2015
	1	18.20	N/A	N/A	12NOV2015
	2	18.20	N/A	N/A	12NOV2015
	3	18.12	N/A	N/A	13NOV2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	18.33	N/A	N/A	13NOV2015
	2	18.55	N/A	N/A	13NOV2015
	1	19.69	N/A	N/A	14NOV2015
	2	19.69	N/A	N/A	14NOV2015
	3	19.48	N/A	N/A	14NOV2015
	3	18.30	N/A	N/A	16NOV2015
	1	17.93	N/A	N/A	16NOV2015
	2	18.23	N/A	N/A	16NOV2015
	3	18.01	N/A	N/A	16NOV2015
	1	18.01	N/A	N/A	16NOV2015
	2	18.16	N/A	N/A	16NOV2015
	3	18.21	N/A	N/A	17NOV2015
	1	18.05	N/A	N/A	17NOV2015
	2	18.35	N/A	N/A	17NOV2015
	3	18.20	N/A	N/A	18NOV2015
	1	18.03	N/A	N/A	18NOV2015
	2	18.26	N/A	N/A	18NOV2015
	1	19.83	N/A	N/A	18NOV2015
	2	19.79	N/A	N/A	18NOV2015
	3	19.67	N/A	N/A	18NOV2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	17.97	N/A	N/A	19NOV2015
	2	18.22	N/A	N/A	19NOV2015
	3	18.28	N/A	N/A	19NOV2015
	3	17.98	N/A	N/A	19NOV2015
	1	18.08	N/A	N/A	19NOV2015
	2	17.90	N/A	N/A	19NOV2015
	3	17.67	N/A	N/A	20NOV2015
	1	17.74	N/A	N/A	20NOV2015
	2	18.18	N/A	N/A	20NOV2015
	1	19.76	N/A	N/A	20NOV2015
	2	19.60	N/A	N/A	20NOV2015
	3	18.21	N/A	N/A	20NOV2015
	3	19.03	N/A	N/A	23NOV2015
	1	17.91	N/A	N/A	23NOV2015
	2	18.19	N/A	N/A	23NOV2015
	3	17.70	N/A	N/A	24NOV2015
	1	17.92	N/A	N/A	24NOV2015
	2	18.04	N/A	N/A	24NOV2015
	3	18.12	N/A	N/A	25NOV2015
	1	18.62	N/A	N/A	25NOV2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	2	19.20	N/A	N/A	25NOV2015
	1	18.57	N/A	N/A	25NOV2015
	2	19.19	N/A	N/A	25NOV2015
	3	18.19	N/A	N/A	25NOV2015
	3	19.19	N/A	N/A	30NOV2015
	1	18.13	N/A	N/A	30NOV2015
	2	18.29	N/A	N/A	30NOV2015
	3	18.88	N/A	N/A	01DEC2015
	1	18.36	N/A	N/A	01DEC2015
	2	18.92	N/A	N/A	01DEC2015
	3	17.85	N/A	N/A	01DEC2015
	1	17.21	N/A	N/A	01DEC2015
	2	17.71	N/A	N/A	01DEC2015
	3	18.83	N/A	N/A	02DEC2015
	1	18.51	N/A	N/A	02DEC2015
	2	18.93	N/A	N/A	02DEC2015
	3	18.24	N/A	N/A	02DEC2015
	1	17.66	N/A	N/A	02DEC2015
	2	17.57	N/A	N/A	02DEC2015
	3	19.07	N/A	N/A	03DEC2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabesine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	17.56	N/A	N/A	03DEC2015
	2	18.86	N/A	N/A	03DEC2015
	2	18.81	N/A	N/A	03DEC2015
	3	19.14	N/A	N/A	03DEC2015
	1	17.64	N/A	N/A	03DEC2015
	3	18.64	N/A	N/A	07DEC2015
	1	18.32	N/A	N/A	07DEC2015
	2	18.64	N/A	N/A	07DEC2015
	3	18.27	N/A	N/A	08DEC2015
	1	18.26	N/A	N/A	08DEC2015
	2	18.56	N/A	N/A	08DEC2015
	3	18.10	N/A	N/A	09DEC2015
	1	18.17	N/A	N/A	09DEC2015
	2	18.49	N/A	N/A	09DEC2015
	3	18.39	N/A	N/A	09DEC2015
	1	17.09	N/A	N/A	09DEC2015
	2	17.45	N/A	N/A	09DEC2015
	1	17.28	N/A	N/A	11DEC2015
	2	17.31	N/A	N/A	11DEC2015
	3	18.40	N/A	N/A	11DEC2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is)(cont'd)

QC Product	Replicate	Nicotine (mg/g)	Anabasine (mg/g)	Nornicotine (mg/g)	Completed Analysis Date
(b) (4)	1	17.21	N/A	N/A	11DEC2015
	2	17.22	N/A	N/A	11DEC2015
	3	18.46	N/A	N/A	11DEC2015
	3	18.63	N/A	N/A	12DEC2015
	1	18.52	N/A	N/A	12DEC2015
	2	18.61	N/A	N/A	12DEC2015
	1	18.57	N/A	N/A	12DEC2015
	2	18.58	N/A	N/A	12DEC2015
	3	18.57	N/A	N/A	12DEC2015
	3	17.98	N/A	N/A	15DEC2015
	1	18.48	N/A	N/A	15DEC2015
	2	18.52	N/A	N/A	15DEC2015
	1	18.99	N/A	N/A	28DEC2015
	2	19.20	N/A	N/A	28DEC2015
	3	19.02	N/A	N/A	28DEC2015
	1	18.18	N/A	N/A	28DEC2015
	2	18.18	N/A	N/A	28DEC2015
	3	18.42	N/A	N/A	28DEC2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)(cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		145.0	2376.6	04JAN2013
		147.6	2405.4	08JAN2013
		147.7	2388.0	09JAN2013
		N/A	2310.5	10JAN2013
		N/A	2387.4	11JAN2013
		N/A	2406.6	14JAN2013
		151.2	2432.3	17JAN2013
		152.0	2324.9	22JAN2013
		155.9	2420.1	22JAN2013
		146.9	2397.7	22JAN2013
		155.7	2447.9	24JAN2013
		150.3	2455.2	30JAN2013
		160.8	N/A	30JAN2013
		158.1	2434.6	04FEB2013
		159.4	2400.1	04FEB2013
		152.1	2446.3	05FEB2013
		165.9	2529.5	07FEB2013
		155.2	2444.0	07FEB2013
		161.3	2536.1	11FEB2013
		155.9	2508.2	14FEB2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		151.8	2427.2	14FEB2013
		167.6	2443.3	15FEB2013
		157.0	2439.2	15FEB2013
		163.1	2576.3	18FEB2013
		153.3	2517.4	19FEB2013
		158.3	2425.5	19FEB2013
		154.1	2536.7	20FEB2013
		169.3	2393.6	21FEB2013
		155.8	2455.2	21FEB2013
		152.5	2284.3	22FEB2013
		149.7	N/A	22FEB2013
		156.8	N/A	25FEB2013
		160.7	2416.0	26FEB2013
		154.9	2402.1	27FEB2013
		149.6	N/A	27FEB2013
		161.1	2412.1	28FEB2013
		163.7	N/A	28FEB2013
		146.7	N/A	28FEB2013
		153.1	2318.9	01MAR2013
		151.3	2490.5	01MAR2013

N/A= not available



Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		162.2	2357.9	04MAR2013
		161.6	2534.8	05MAR2013
		148.9	N/A	05MAR2013
		153.0	2543.8	06MAR2013
		156.3	N/A	06MAR2013
		154.3	2356.9	07MAR2013
		158.9	2379.7	07MAR2013
		153.5	2498.1	07MAR2013
		150.8	2488.1	11MAR2013
		145.7	2387.5	12MAR2013
		149.3	2373.4	18MAR2013
		155.3	2354.2	18MAR2013
		157.3	2291.2	19MAR2013
		164.8	2529.7	19MAR2013
		154.8	2333.7	20MAR2013
		164.0	2369.3	20MAR2013
		153.9	2399.6	21MAR2013
		152.7	2402.7	22MAR2013
		153.9	2360.8	22MAR2013
		149.8	2338.6	22MAR2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		149.0	2339.4	26MAR2013
		151.5	2389.4	26MAR2013
		152.8	2364.7	26MAR2013
		155.1	2301.1	05APR2013
		144.1	2293.9	08APR2013
		147.5	2312.7	09APR2013
		150.8	2334.4	09APR2013
		149.5	2334.0	10APR2013
		146.7	2281.3	10APR2013
		143.6	2441.2	11APR2013
		147.4	2351.3	11APR2013
		162.5	2468.5	12APR2013
		153.3	2262.2	17APR2013
		162.9	2423.8	18APR2013
		160.8	2485.0	18APR2013
		143.6	2394.3	19APR2013
		152.7	2355.2	19APR2013
		N/A	2365.8	24APR2013
		138.2	N/A	24APR2013
		162.4	2367.9	25APR2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		N/A	2503.0	25APR2013
		N/A	2355.6	26APR2013
		162.1	N/A	30APR2013
		151.2	N/A	07MAY2013
		N/A	2448.9	07MAY2013
		N/A	2316.9	07MAY2013
		N/A	2385.4	08MAY2013
		148.9	2263.8	08MAY2013
		N/A	2385.9	08MAY2013
		160.6	2397.4	09MAY2013
		N/A	2390.8	09MAY2013
		155.1	2437.6	10MAY2013
		N/A	2515.4	10MAY2013
		N/A	2393.7	10MAY2013
		N/A	2484.5	13MAY2013
		N/A	2468.3	14MAY2013
		N/A	2388.1	14MAY2013
		158.8	2467.6	16MAY2013
		150.9	2364.3	16MAY2013
		151.1	2408.5	16MAY2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		154.5	2418.4	17MAY2013
		144.6	2303.9	17MAY2013
		157.6	2320.4	17MAY2013
		154.5	2319.5	21MAY2013
		162.3	2530.0	21MAY2013
		150.2	2407.9	21MAY2013
		151.7	2345.8	22MAY2013
		157.6	2526.0	23MAY2013
		150.6	2274.5	23MAY2013
		141.7	2368.9	24MAY2013
		152.9	2409.3	24MAY2013
		147.7	2310.6	28MAY2013
		154.3	2501.6	28MAY2013
		155.8	2323.0	29MAY2013
		150.7	2385.0	29MAY2013
		148.8	2388.6	31MAY2013
		152.7	2445.6	31MAY2013
		147.8	2406.4	31MAY2013
		152.8	2421.5	03JUN2013
		147.5	2396.3	03JUN2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		146.2	2482.3	04JUN2013
		158.4	2475.6	04JUN2013
		155.6	2349.9	05JUN2013
		148.7	2375.1	06JUN2013
		N/A	2335.7	06JUN2013
		149.4	2448.0	06JUN2013
		N/A	2395.2	07JUN2013
		N/A	2311.3	07JUN2013
		N/A	2349.9	07JUN2013
		N/A	2272.1	07JUN2013
		N/A	2312.5	10JUN2013
		N/A	2414.1	11JUN2013
		N/A	2337.2	11JUN2013
		N/A	2366.6	12JUN2013
		N/A	2287.2	12JUN2013
		149.5	2391.5	13JUN2013
		149.9	2318.5	13JUN2013
		N/A	2352.4	14JUN2013
		N/A	2403.4	18JUN2013
		N/A	2417.1	18JUN2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		N/A	2441.9	21JUN2013
		N/A	2320.4	21JUN2013
		N/A	2317.1	21JUN2013
		N/A	2253.1	21JUN2013
		N/A	2294.8	21JUN2013
		N/A	2319.4	21JUN2013
		147.4	2337.9	21JUN2013
		N/A	2289.2	21JUN2013
		N/A	2292.6	24JUN2013
		N/A	2349.2	25JUN2013
		144.9	2327.6	25JUN2013
		157.5	2431.3	27JUN2013
		160.6	2473.5	27JUN2013
		152.9	2427.1	28JUN2013
		155.8	2553.5	01JUL2013
		155.1	2632.8	02JUL2013
		149.3	2524.3	03JUL2013
		158.7	2300.5	08JUL2013
		157.2	2422.9	09JUL2013
		144.9	2456.1	09JUL2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		142.0	2377.8	10JUL2013
		158.7	2561.3	10JUL2013
		149.8	2352.4	11JUL2013
		155.1	2447.7	11JUL2013
		155.5	2409.8	12JUL2013
		160.3	2405.5	12JUL2013
		166.2	2408.4	12JUL2013
		159.9	2370.5	12JUL2013
		155.2	2381.7	15JUL2013
		162.2	2477.9	15JUL2013
		147.1	2380.5	16JUL2013
		154.7	2470.0	16JUL2013
		152.1	2351.2	17JUL2013
		152.2	2392.1	17JUL2013
		154.2	2418.5	17JUL2013
		156.2	2357.4	17JUL2013
		151.9	2358.1	17JUL2013
		151.2	2449.5	18JUL2013
		151.1	2321.2	18JUL2013
		149.9	2230.5	18JUL2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		162.0	2284.2	18JUL2013
		148.0	2222.4	18JUL2013
		156.3	2445.9	19JUL2013
		164.3	2490.9	19JUL2013
		151.7	2384.0	19JUL2013
		164.3	2424.0	19JUL2013
		146.7	2447.8	22JUL2013
		153.2	2396.2	22JUL2013
		151.6	2437.2	22JUL2013
		157.3	2390.3	22JUL2013
		160.3	2393.6	22JUL2013
		145.6	2393.8	23JUL2013
		163.2	2409.7	23JUL2013
		152.0	2372.0	24JUL2013
		147.7	2336.8	24JUL2013
		154.6	2372.7	25JUL2013
		145.3	2371.6	25JUL2013
		146.1	2379.6	25JUL2013
		155.8	2371.8	25JUL2013
		160.6	2347.2	26JUL2013

N/A= not available



Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		145.9	2351.6	26JUL2013
		148.6	2447.6	29JUL2013
		152.7	2473.4	30JUL2013
		157.3	2391.5	30JUL2013
		153.5	2502.9	30JUL2013
		152.6	2423.6	31JUL2013
		144.7	2386.1	31JUL2013
		155.0	2451.1	31JUL2013
		158.3	2491.2	01AUG2013
		160.7	2433.1	01AUG2013
		156.8	2427.0	02AUG2013
		157.5	2495.9	02AUG2013
		152.1	2438.1	05AUG2013
		156.8	2558.1	05AUG2013
		155.7	2494.7	05AUG2013
		143.0	2427.5	06AUG2013
		156.8	2478.0	06AUG2013
		159.5	2502.9	07AUG2013
		152.9	2434.8	09AUG2013
		146.8	2478.3	14AUG2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		149.2	2413.0	15AUG2013
		149.9	2367.0	21AUG2013
		159.0	2384.9	21AUG2013
		154.9	2366.8	22AUG2013
		159.8	2414.1	22AUG2013
		153.6	2408.8	22AUG2013
		160.1	2515.2	23AUG2013
		154.6	2399.2	23AUG2013
		150.0	2350.9	27AUG2013
		149.9	2450.4	30AUG2013
		151.5	2415.9	03SEP2013
		146.7	2417.8	03SEP2013
		149.5	2440.6	04SEP2013
		156.7	2434.1	06SEP2013
		149.0	2463.0	09SEP2013
		147.0	2447.5	10SEP2013
		147.5	2440.7	13SEP2013
		N/A	2296.5	01OCT2013
		131.2	2179.2	04OCT2013
		145.9	2436.2	07OCT2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		147.3	2443.9	08OCT2013
		141.6	2518.1	09OCT2013
		150.7	2451.6	10OCT2013
		147.7	2394.7	14OCT2013
		N/A	2460.0	17OCT2013
		153.4	2396.0	18OCT2013
		142.2	2454.0	18OCT2013
		144.3	2492.0	18OCT2013
		146.1	2378.0	21OCT2013
		155.0	2484.0	22OCT2013
		141.5	2315.0	23OCT2013
		148.4	2439.0	23OCT2013
		148.1	2368.0	24OCT2013
		157.8	2402.0	25OCT2013
		152.4	2501.0	28OCT2013
		151.4	2495.0	29OCT2013
		145.4	2542.0	29OCT2013
		155.4	2457.0	30OCT2013
		150.3	2485.0	30OCT2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		151.2	2469.0	01NOV2013
		137.6	2399.0	04NOV2013
		148.2	2508.0	06NOV2013
		148.3	2476.0	07NOV2013
		148.4	2422.0	07NOV2013
		145.4	2399.0	08NOV2013
		155.1	2472.0	11NOV2013
		146.8	2402.0	11NOV2013
		138.5	2365.0	12NOV2013
		145.6	2451.0	12NOV2013
		145.3	2419.0	13NOV2013
		148.9	2428.0	13NOV2013
		150.0	2503.0	13NOV2013
		147.0	2436.0	14NOV2013
		148.0	2423.0	14NOV2013
		140.1	2388.0	14NOV2013
		158.6	2490.0	14NOV2013
		152.5	2434.0	15NOV2013
		157.6	2474.0	19NOV2013
		158.2	2549.0	20NOV2013

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		144.4	2490.0	20NOV2013
		144.2	2416.0	21NOV2013
		147.6	2413.0	02DEC2013
		N/A	2403.0	10JAN2014
		138.8	2246.0	15JAN2014
		N/A	2342.0	15JAN2014
		150.1	2375.0	16JAN2014
		145.7	2453.0	17JAN2014
		154.2	2354.0	21JAN2014
		136.4	2363.0	21JAN2014
		133.3	2352.0	23JAN2014
		146.4	2463.0	23JAN2014
		140.5	2392.0	23JAN2014
		150.5	2374.0	23JAN2014
		149.4	2421.0	29JAN2014
		162.2	2443.0	29JAN2014
		160.8	2492.0	30JAN2014
		149.2	2455.0	30JAN2014
		158.5	2533.0	31JAN2014
		150.0	2412.0	03FEB2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		146.6	2411.0	03FEB2014
		147.0	2472.0	04FEB2014
		142.2	2495.0	05FEB2014
		154.1	2487.0	05FEB2014
		136.8	2440.0	06FEB2014
		140.8	2327.0	07FEB2014
		144.4	2406.0	10FEB2014
		144.1	2466.0	10FEB2014
		148.9	2494.0	10FEB2014
		154.4	2406.0	10FEB2014
		143.4	2282.0	11FEB2014
		144.4	2351.0	11FEB2014
		141.7	2341.0	11FEB2014
		150.8	2436.0	12FEB2014
		139.3	2427.0	17FEB2014
		139.5	2402.0	17FEB2014
		141.8	2350.0	18FEB2014
		139.2	2482.0	19FEB2014
		142.3	2351.0	20FEB2014
		144.6	2462.0	20FEB2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		146.4	2497.0	24FEB2014
		N/A	2367.0	25FEB2014
		140.5	2443.0	25FEB2014
		158.3	2503.0	27FEB2014
		134.7	2533.0	28FEB2014
		130.0	2399.0	03MAR2014
		144.6	2358.0	04MAR2014
		137.9	2386.0	04MAR2014
		140.3	2365.0	06MAR2014
		145.6	2394.0	06MAR2014
		140.5	2334.0	10MAR2014
		142.4	2501.0	10MAR2014
		129.6	2390.0	11MAR2014
		141.6	2371.0	13MAR2014
		142.2	2630.0	19MAR2014
		151.9	2491.0	31MAR2014
		N/A	2368.0	31MAR2014
		150.8	N/A	31MAR2014
		150.9	2426.0	03APR2014
		147.4	2492.0	11APR2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		140.3	2506.0	14APR2014
		135.8	2468.0	17APR2014
		149.2	2500.0	22APR2014
		149.3	2575.0	23APR2014
		136.7	2441.0	23APR2014
		154.4	2383.0	29APR2014
		146.2	2415.0	01MAY2014
		142.1	2391.0	02MAY2014
		149.5	2421.0	06MAY2014
		155.3	2454.0	07MAY2014
		150.1	2495.0	08MAY2014
		151.7	2416.0	12MAY2014
		154.6	2349.0	12MAY2014
		148.6	2346.0	12MAY2014
		164.6	2474.0	12MAY2014
		164.6	2474.0	12MAY2014
		163.7	2464.0	12MAY2014
		159.3	N/A	13MAY2014
		170.6	2397.0	13MAY2014
		156.0	2490.0	14MAY2014

N/A= not available



Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		150.2	2282.0	14MAY2014
		164.0	2165.0	14MAY2014
		160.6	2387.0	14MAY2014
		153.5	2360.0	15MAY2014
		156.1	2345.0	15MAY2014
		151.3	2354.0	16MAY2014
		157.5	2392.0	16MAY2014
		159.9	2308.0	16MAY2014
		158.8	2429.0	19MAY2014
		140.8	2344.0	19MAY2014
		144.9	2391.0	20MAY2014
		160.7	2380.0	21MAY2014
		152.7	2382.0	21MAY2014
		158.5	2317.0	27MAY2014
		158.8	2429.0	27MAY2014
		158.5	2317.0	27MAY2014
		146.7	2393.0	27MAY2014
		N/A	2356.0	28MAY2014
		145.8	2309.0	12JUN2014
		169.3	2379.0	23JUN2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		169.3	2379.0	23JUN2014
		138.8	2177.0	27JUN2014
		N/A	2430.0	15JUL2014
		N/A	2525.0	16JUL2014
		N/A	2440.0	16JUL2014
		N/A	2518.0	16JUL2014
		151.7	2404.0	18JUL2014
		137.4	2332.0	21JUL2014
		141.7	2331.0	07AUG2014
		138.1	2270.0	12AUG2014
		153.1	2471.0	15AUG2014
		138.6	2385.0	16AUG2014
		165.5	2478.0	19AUG2014
		146.9	2406.0	20AUG2014
		147.0	2422.0	21AUG2014
		147.3	2357.0	21AUG2014
		144.2	2377.0	25AUG2014
		152.4	2359.0	27AUG2014
		142.8	2355.0	29AUG2014
		151.2	2466.0	03SEP2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		152.0	2589.0	05SEP2014
		150.6	2436.0	08SEP2014
		144.4	2392.0	08SEP2014
		146.0	2429.0	09SEP2014
		137.1	2365.0	09SEP2014
		141.7	2450.0	10SEP2014
		142.4	2434.0	10SEP2014
		141.1	2298.0	10SEP2014
		N/A	2431.0	10SEP2014
		142.0	2281.0	11SEP2014
		149.4	2387.0	15SEP2014
		140.2	2417.0	15SEP2014
		140.1	2359.0	15SEP2014
		150.8	N/A	15SEP2014
		151.9	2517.0	16SEP2014
		152.8	2376.0	17SEP2014
		151.7	2433.0	17SEP2014
		139.1	2362.0	22SEP2014
		159.3	2602.0	23SEP2014
		143.2	2352.0	23SEP2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		137.5	2383.0	24SEP2014
		143.7	2473.0	24SEP2014
		145.0	2364.0	24SEP2014
		141.9	2326.0	25SEP2014
		N/A	2465.0	29SEP2014
		148.1	2467.0	29SEP2014
		139.5	2380.0	30SEP2014
		149.8	2469.0	30SEP2014
		146.7	2374.0	30SEP2014
		143.0	N/A	30SEP2014
		139.0	2287.0	01OCT2014
		149.8	2416.0	01OCT2014
		138.2	2316.0	01OCT2014
		145.2	N/A	01OCT2014
		138.8	2367.0	02OCT2014
		144.7	2476.0	03OCT2014
		142.4	2329.0	06OCT2014
		136.6	2309.0	07OCT2014
		146.4	2376.0	07OCT2014
		160.2	2399.0	08OCT2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		149.1	2446.0	08OCT2014
		142.7	2347.0	09OCT2014
		143.7	2415.0	16OCT2014
		141.1	2354.0	16OCT2014
		146.5	2529.0	16OCT2014
		150.5	2428.0	17OCT2014
		150.3	2506.0	17OCT2014
		137.3	N/A	20OCT2014
		145.0	2432.0	24OCT2014
		143.8	2372.0	27OCT2014
		142.8	2328.0	29OCT2014
		151.5	2432.0	31OCT2014
		144.9	2368.0	31OCT2014
		141.5	2382.0	04NOV2014
		145.9	N/A	04NOV2014
		141.5	2354.0	05NOV2014
		151.5	2472.0	10NOV2014
		144.3	2441.0	11NOV2014
		140.4	2451.0	11NOV2014
		143.4	2492.0	11NOV2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		142.5	2480.0	12NOV2014
		146.1	N/A	13NOV2014
		149.1	2493.0	14NOV2014
		147.1	2438.0	19NOV2014
		148.6	2505.0	20NOV2014
		N/A	2423.0	20NOV2014
		133.1	2342.0	25NOV2014
		140.6	2421.0	03DEC2014
		147.2	2433.0	04DEC2014
		142.6	2346.0	05DEC2014
		150.8	2384.0	05DEC2014
		N/A	2385.0	05DEC2014
		149.9	2426.0	08DEC2014
		142.2	2365.0	08DEC2014
		146.8	2355.0	09DEC2014
		140.5	2364.0	12DEC2014
		143.6	2302.0	12DEC2014
		144.1	2337.0	15DEC2014
		157.0	2471.0	16DEC2014
		154.3	2422.0	16DEC2014

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		160.4	2524.0	16DEC2014
		159.5	N/A	17DEC2014
		155.6	N/A	17DEC2014
		137.7	2321.0	24DEC2014
		143.2	2349.0	29DEC2014
		146.4	2388.0	30DEC2014
		145.0	2405.0	05JAN2015
		149.9	2454.0	06JAN2015
		148.9	2358.0	06JAN2015
		139.5	2372.0	06JAN2015
		143.3	2376.0	13JAN2015
		140.9	2336.0	14JAN2015
		N/A	2393.0	22JAN2015
		N/A	2536.0	23JAN2015
		N/A	2431.0	23JAN2015
		N/A	2409.0	23JAN2015
		N/A	2511.0	26JAN2015
		143.0	2389.0	26JAN2015
		138.4	2466.0	26JAN2015
		N/A	2491.0	27JAN2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		N/A	2379.0	27JAN2015
		142.9	2394.0	27JAN2015
		N/A	2350.0	28JAN2015
		N/A	2455.0	29JAN2015
		155.0	2479.0	29JAN2015
		138.1	2371.0	29JAN2015
		152.1	2408.0	30JAN2015
		N/A	2441.0	02FEB2015
		138.4	2306.0	02FEB2015
		132.5	N/A	02FEB2015
		136.7	2311.0	03FEB2015
		149.2	2399.0	04FEB2015
		142.4	2324.0	06FEB2015
		144.6	2439.0	09FEB2015
		140.5	2380.0	10FEB2015
		144.6	N/A	10FEB2015
		148.5	N/A	10FEB2015
		159.4	2454.0	11FEB2015
		148.2	2472.0	12FEB2015
		151.4	2428.0	18FEB2015

N/A= not available



Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		144.5	2483.0	19FEB2015
		153.7	2425.0	19FEB2015
		147.5	2427.0	20FEB2015
		152.7	2447.0	20FEB2015
		154.0	2463.0	23FEB2015
		148.8	2407.0	25FEB2015
		140.8	2557.0	26FEB2015
		158.8	2443.0	03MAR2015
		170.9	2376.0	10MAR2015
		162.0	2398.0	11MAR2015
		154.0	2325.0	11MAR2015
		150.4	2330.0	11MAR2015
		142.6	2413.0	12MAR2015
		148.0	2344.0	26MAR2015
		147.3	2279.0	26MAR2015
		142.6	2317.0	26MAR2015
		145.5	2288.0	27MAR2015
		147.1	N/A	27MAR2015
		N/A	2470.0	30MAR2015
		139.1	2439.0	02APR2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		162.9	2645.0	09APR2015
		157.5	2583.0	09APR2015
		150.7	2542.0	14APR2015
		147.6	2286.0	16APR2015
		154.2	2255.0	16APR2015
		134.5	2364.0	17APR2015
		137.9	2387.0	17APR2015
		149.0	2371.0	17APR2015
		148.4	2312.0	20APR2015
		142.1	2394.0	27APR2015
		154.3	2445.0	30APR2015
		152.6	2440.0	30APR2015
		N/A	2505.0	07MAY2015
		142.2	2413.0	07MAY2015
		144.8	2352.0	07MAY2015
		145.8	2411.0	12MAY2015
		139.7	2484.0	15MAY2015
		140.9	N/A	18MAY2015
		144.0	2363.0	21MAY2015
		143.0	2434.0	22MAY2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		139.7	2350.0	26MAY2015
		137.2	N/A	26MAY2015
		136.0	2238.0	27MAY2015
		144.0	2421.0	28MAY2015
		142.6	2306.0	02JUN2015
		138.8	2318.0	03JUN2015
		146.7	2341.0	09JUN2015
		145.5	2404.0	19JUN2015
		142.9	2383.0	25JUN2015
		146.2	2363.0	29JUN2015
		148.1	2396.0	10JUL2015
		148.1	2430.0	10JUL2015
		136.7	2234.0	06AUG2015
		152.7	2406.0	07AUG2015
		145.9	2341.0	18AUG2015
		142.0	2323.0	20AUG2015
		146.4	2349.0	21AUG2015
		139.2	2247.0	24AUG2015
		136.2	2272.0	24AUG2015
		145.6	2387.0	24AUG2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		167.6	2436.0	26AUG2015
		159.3	2547.0	26AUG2015
		154.8	2430.0	27AUG2015
		162.1	2399.0	28AUG2015
		156.4	2340.0	31AUG2015
		147.6	2436.0	01SEP2015
		141.4	2310.0	01SEP2015
		151.2	2486.0	01SEP2015
		145.6	N/A	01SEP2015
		N/A	2400.0	02SEP2015
		153.2	2346.0	10SEP2015
		146.2	2370.0	22SEP2015
		130.0	2331.0	24SEP2015
		138.9	2437.0	25SEP2015
		141.8	2340.0	28SEP2015
		150.8	2344.0	28SEP2015
		152.5	2508.0	29SEP2015
		145.3	2596.0	30SEP2015
		143.6	2576.0	30SEP2015
		142.9	2399.0	08OCT2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		143.2	2364.0	20OCT2015
		142.4	2280.0	22OCT2015
		138.0	2369.0	23OCT2015
		137.2	2391.0	26OCT2015
		137.5	2316.0	26OCT2015
		143.8	2385.0	26OCT2015
		139.2	2377.0	27OCT2015
		144.0	2304.0	29OCT2015
		150.2	2397.0	30OCT2015
		149.9	2499.0	02NOV2015
		144.8	2398.0	02NOV2015
		144.8	2401.0	06NOV2015
		141.0	2286.0	06NOV2015
		145.4	2517.0	09NOV2015
		141.2	2461.0	09NOV2015
		142.6	2412.0	10NOV2015
		139.0	2398.0	11NOV2015
		156.4	2525.0	17NOV2015
		157.3	2452.0	19NOV2015
		N/A	2402.0	23NOV2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Arsenic (ng/g)	Cadmium (ng/g)	Completed Analysis Date
(b) (4)		152.9	2417.0	23NOV2015
		150.1	2372.0	02DEC2015
		146.7	2357.0	02DEC2015
		143.6	2363.0	04DEC2015
		162.8	2427.0	11DEC2015
		137.6	2267.0	17DEC2015
		139.6	2277.0	17DEC2015
		146.3	2241.0	18DEC2015
		148.3	2416.0	21DEC2015
		158.5	2608.0	29DEC2015
		139.7	2479.0	30DEC2015
		169.5	N/A	31DEC2015

N/A= not available

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Original 1F Snus	1	1.268	02JAN2013
	1	1.220	15JAN2013
	1	1.236	23JAN2013
	1	1.370	01FEB2013
	1	1.557	08FEB2013
	1	1.033	15FEB2013
	1	1.087	19FEB2013
	1	1.162	22FEB2013
	1	0.850	22FEB2013
	1	0.925	26FEB2013
	1	1.222	28FEB2013
	1	1.250	02MAR2013
	1	1.202	05MAR2013
	1	1.294	05MAR2013
	1	1.352	06MAR2013
	1	1.285	06MAR2013
	1	1.159	06MAR2013
	1	1.235	06MAR2013
	1	1.409	11MAR2013
	1	1.348	11MAR2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Original 1F Snus	1	1.230	11MAR2013
	1	1.222	11MAR2013
	1	1.617	11MAR2013
	1	1.011	12MAR2013
	1	0.881	14MAR2013
	1	1.073	22MAR2013
	1	1.508	02APR2013
	1	1.382	03APR2013
	1	1.072	03APR2013
	1	1.081	08APR2013
	1	1.541	15APR2013
	1	1.297	15APR2013
	1	1.444	23APR2013
	1	1.252	29APR2013
	1	1.154	29APR2013
	1	1.107	06MAY2013
	1	1.275	06MAY2013
	1	1.408	14MAY2013
	1	1.377	14MAY2013
	1	1.338	16MAY2013



Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Original 1F Snus	1	1.311	16MAY2013
	1	1.244	22MAY2013
	1	1.400	22MAY2013
	1	1.336	22MAY2013
	1	1.436	23MAY2013
	1	1.239	23MAY2013
	1	1.516	28MAY2013
	1	1.165	29MAY2013
	1	1.415	03JUN2013
	1	1.322	03JUN2013
	1	1.516	04JUN2013
	1	1.076	04JUN2013
	1	1.480	04JUN2013
	1	1.291	08JUN2013
	1	1.204	09JUN2013
	1	1.173	09JUN2013
	1	1.191	12JUN2013
	1	1.325	19JUN2013
	1	1.096	21JUN2013
	1	1.070	25JUN2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Original 1F Snus	1	1.416	26JUN2013
	1	1.214	27JUN2013
	1	1.327	28JUN2013
	1	1.148	29JUN2013
	1	1.490	29JUN2013
	1	1.192	01JUL2013
	1	1.413	08JUL2013
	1	1.283	15JUL2013
	1	1.319	15JUL2013
	1	1.393	15JUL2013
	1	1.425	15JUL2013
	1	1.393	15JUL2013
	1	1.304	24JUL2013
	1	1.638	01AUG2013
	1	1.160	03AUG2013
	1	1.109	12AUG2013
	1	1.351	13AUG2013
	1	1.534	13AUG2013
	1	1.206	14AUG2013
	1	1.477	27AUG2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Original 1F Snus	1	1.385	27AUG2013
	1	1.355	27AUG2013
	1	1.284	27AUG2013
	1	1.151	27AUG2013
	1	1.178	27AUG2013
	1	1.285	27AUG2013
	1	1.062	27AUG2013
	1	1.050	27AUG2013
	1	1.139	27AUG2013
	1	1.108	27AUG2013
	1	1.221	29AUG2013
	1	1.384	30AUG2013
	1	1.215	30AUG2013
	1	1.330	09SEP2013
	1	1.351	11SEP2013
	1	1.394	11SEP2013
	1	1.285	20SEP2013
	1	1.127	21SEP2013
	1	1.033	27SEP2013
	1	1.460	02OCT2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Original 1F Snus	1	1.175	09OCT2013
	1	1.242	10OCT2013
	1	1.412	16OCT2013
	1	1.300	17OCT2013
	1	1.626	17OCT2013
	1	1.320	17OCT2013
	1	1.306	21OCT2013
	1	1.342	23OCT2013
	1	1.502	25OCT2013
	1	1.603	28OCT2013
	1	1.510	30OCT2013
	1	1.467	02NOV2013
	1	1.530	02NOV2013
	1	1.377	05NOV2013
	1	1.540	05NOV2013
	1	1.135	05NOV2013
	1	1.466	07NOV2013
	1	1.650	08NOV2013
	1	1.471	11NOV2013
	1	1.411	25NOV2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Original 1F Snus	1	1.335	02DEC2013
	1	1.416	02DEC2013
	1	1.448	02DEC2013
	1	1.342	04DEC2013
	1	1.585	06DEC2013
	1	1.496	07DEC2013
	1	1.548	07DEC2013
	1	1.566	07DEC2013
	1	1.325	07DEC2013
	1	1.340	07DEC2013
	1	1.427	07DEC2013
	1	1.252	12DEC2013
	1	1.440	13DEC2013
	1	1.485	17DEC2013
	1	1.361	18DEC2013
	1	1.589	19DEC2013
	1	1.524	20DEC2013
	1	1.530	24DEC2013
	1	1.587	26DEC2013
	1	1.425	31DEC2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	Benzo(a)pyrene (ng/g)	Completed Analysis Date
Camel Original 1F Snus	1	1.666	03JAN2014
	1	1.643	09JAN2014
	1	1.545	14JAN2014
	1	1.645	14JAN2014
	1	1.458	23JAN2014
	1	1.630	27JAN2014
	1	1.483	02FEB2014
	1	1.549	03FEB2014
	1	1.281	04FEB2014
	1	1.628	12FEB2014
	1	1.368	13MAR2014
	1	1.598	15MAR2014
	1	1.502	21MAR2014
	1	1.568	27MAR2014

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		996	6760	5780	225	03JAN2013
		1080	7130	6500	256	04JAN2013
		1030	6820	6240	231	05JAN2013
		1020	7320	5920	230	11JAN2013
		883	6910	5970	230	15JAN2013
		1000	6960	6060	241	23JAN2013
		1040	6820	5910	242	24JAN2013
		1090	6660	6150	235	25JAN2013
		1220	7290	6490	254	30JAN2013
		1130	6740	6110	238	01FEB2013
		1120	6960	6330	248	01FEB2013
		995	6610	5870	239	05FEB2013
		1010	6550	5870	231	06FEB2013
		1070	6710	6120	237	07FEB2013
		1020	6910	6060	242	08FEB2013
		1090	6440	5980	237	09FEB2013
		1110	7170	6200	250	12FEB2013
		1250	6620	6400	244	13FEB2013
		1150	6700	6460	255	13FEB2013
		1100	6900	6340	248	14FEB2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1020	7190	6290	238	15FEB2013
		910	6380	6200	234	16FEB2013
		1260	6810	6460	249	16FEB2013
		1080	6970	6200	239	20FEB2013
		931	6570	6050	228	20FEB2013
		1090	7780	6230	245	21FEB2013
		990	6690	6000	237	22FEB2013
		929	6870	5510	240	26FEB2013
		1020	7440	5550	240	27FEB2013
		960	7490	5530	229	28FEB2013
		998	7210	5540	238	01MAR2013
		976	7420	5620	235	04MAR2013
		1060	7270	5760	241	08MAR2013
		971	7030	5360	227	08MAR2013
		1020	7450	5620	234	12MAR2013
		1110	7260	5630	247	13MAR2013
		940	7280	5380	243	14MAR2013
		1090	7560	5630	245	14MAR2013
		1070	7200	5560	243	16MAR2013
		1080	7490	6150	241	21MAR2013



Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1110	7800	5820	244	22MAR2013
		1180	7870	6380	256	23MAR2013
		1100	7380	6160	246	26MAR2013
		1070	7600	6200	227	26MAR2013
		1080	7770	6140	248	27MAR2013
		1040	6990	5960	240	28MAR2013
		1040	7290	5850	242	29MAR2013
		1110	7030	6170	245	04APR2013
		1060	7420	5760	239	04APR2013
		1070	7040	6000	245	06APR2013
		1070	7580	6160	245	09APR2013
		1030	6950	6060	241	11APR2013
		1080	7050	6390	238	13APR2013
		1100	7190	6000	236	16APR2013
		1020	6850	6150	231	20APR2013
		1130	7150	6320	249	24APR2013
		1160	7230	6300	246	27APR2013
		1040	7110	6170	242	27APR2013
		1090	6670	6300	237	30APR2013
		1010	7240	5930	226	30APR2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1090	7120	5830	226	02MAY2013
		1080	7390	6070	238	02MAY2013
		1110	7520	5990	244	03MAY2013
		1100	6920	5430	242	04MAY2013
		1050	7010	5930	240	07MAY2013
		1180	7400	6130	246	09MAY2013
		999	6900	6050	240	09MAY2013
		1030	7090	5720	249	10MAY2013
		983	6710	5400	235	10MAY2013
		1020	7340	6090	241	13MAY2013
		1150	6990	5670	239	16MAY2013
		1020	6820	5550	225	20MAY2013
		933	7230	5700	235	23MAY2013
		1040	6770	5970	241	23MAY2013
		1130	7450	5920	239	29MAY2013
		1160	6660	5400	221	31MAY2013
		989	6810	5990	232	03JUN2013
		951	6440	5610	234	06JUN2013
		1030	6830	6330	241	12JUN2013
		947	6590	6040	227	12JUN2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1010	6690	6140	236	12JUN2013
		1010	6950	6040	230	12JUN2013
		981	6770	6270	241	12JUN2013
		1040	6910	6260	240	12JUN2013
		966	6890	6240	239	12JUN2013
		946	7190	6170	230	12JUN2013
		1020	6960	5980	248	13JUN2013
		954	6270	5880	227	14JUN2013
		974	7080	6130	232	14JUN2013
		1000	6740	6390	241	14JUN2013
		916	6660	5910	240	14JUN2013
		1080	6720	6160	249	14JUN2013
		1060	7010	6060	253	14JUN2013
		1030	6660	6000	241	14JUN2013
		1110	6980	5870	241	18JUN2013
		1120	6580	5680	238	18JUN2013
		1100	7160	5700	236	20JUN2013
		1140	7190	5680	239	21JUN2013
		1090	7380	6020	234	24JUN2013
		945	7890	5640	241	25JUN2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1070	7070	5930	227	02JUL2013
		1120	7300	5830	229	02JUL2013
		1050	7280	6220	219	02JUL2013
		1140	7060	5860	239	02JUL2013
		1080	6920	6170	237	02JUL2013
		981	6820	6230	243	02JUL2013
		1100	7310	5960	228	02JUL2013
		1050	7140	5520	238	05JUL2013
		962	7190	5730	222	05JUL2013
		947	7260	5730	233	05JUL2013
		986	7100	5650	238	05JUL2013
		973	6780	5450	236	05JUL2013
		1030	6870	5590	238	05JUL2013
		1000	7850	5710	238	08JUL2013
		1020	7750	5970	242	10JUL2013
		1030	7110	6080	238	12JUL2013
		943	7210	5680	219	16JUL2013
		990	6350	5780	219	23JUL2013
		1030	7190	5820	222	25JUL2013
		965	7030	5740	233	26JUL2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		961	7020	5470	225	30JUL2013
		959	6810	5880	230	01AUG2013
		1110	7270	5660	229	08AUG2013
		993	6580	5790	232	09AUG2013
		982	6580	6230	223	13AUG2013
		1060	6910	5880	232	17AUG2013
		1040	6830	5840	223	22AUG2013
		952	6390	5850	234	23AUG2013
		945	6550	5790	230	24AUG2013
		990	6710	5760	221	27AUG2013
		976	7190	5640	226	31AUG2013
		936	6950	5340	215	31AUG2013
		909	7280	5400	224	03SEP2013
		1000	6730	5350	215	04SEP2013
		912	6910	5450	239	05SEP2013
		1000	7190	5820	253	10SEP2013
		920	7110	5610	238	10SEP2013
		1030	7230	5440	238	11SEP2013
		958	7520	5570	230	11SEP2013
		964	6830	5430	226	12SEP2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1060	7450	5830	232	12SEP2013
		947	7380	5600	220	14SEP2013
		1110	7190	5450	232	14SEP2013
		902	7120	5340	218	19SEP2013
		977	6840	5330	225	19SEP2013
		944	7230	5630	230	26SEP2013
		999	7090	5640	227	28SEP2013
		1010	6460	5540	233	28SEP2013
		925	6600	5650	231	28SEP2013
		1010	7400	5730	240	28SEP2013
		1100	6990	5800	241	02OCT2013
		1010	7040	5710	239	02OCT2013
		1050	7400	5930	250	02OCT2013
		970	7350	5680	222	03OCT2013
		905	6840	5580	236	05OCT2013
		978	6660	5950	238	05OCT2013
		942	6970	5910	224	07OCT2013
		978	7660	6110	242	07OCT2013
		970	6830	5390	215	08OCT2013
		1030	6820	5850	231	09OCT2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		930	6900	5910	236	10OCT2013
		945	6780	5550	238	10OCT2013
		988	6800	5700	225	11OCT2013
		1020	6860	6030	233	15OCT2013
		1030	7030	5760	231	16OCT2013
		989	6920	5740	226	16OCT2013
		1080	6880	5910	240	17OCT2013
		1010	6820	6080	228	25OCT2013
		954	6860	5820	232	25OCT2013
		1140	6800	5930	242	28OCT2013
		1010	6210	5780	224	30OCT2013
		959	6330	5960	234	01NOV2013
		986	7370	5620	229	06NOV2013
		1040	7630	5510	238	07NOV2013
		988	7180	5300	230	09NOV2013
		1070	7090	5600	241	11NOV2013
		983	7400	5400	236	18NOV2013
		1020	7490	5490	231	19NOV2013
		983	7100	5320	225	20NOV2013
		991	7040	5480	238	21NOV2013

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1070	7100	5520	239	22NOV2013
		1010	6930	5430	224	23NOV2013
		1070	7060	5480	231	26NOV2013
		984	7240	5620	236	03DEC2013
		944	7290	5740	225	06DEC2013
		1040	6660	5530	231	06DEC2013
		1140	7860	5720	246	10DEC2013
		1010	7630	5620	239	11DEC2013
		1100	7680	5680	233	11DEC2013
		973	7210	5560	236	16DEC2013
		971	7670	5320	230	19DEC2013
		1040	7890	5470	229	19DEC2013
		938	7790	5450	229	24DEC2013
		1210	7790	5670	239	31DEC2013
		957	7520	5460	232	02JAN2014
		1020	7510	5430	240	03JAN2014
		1030	7680	5470	233	04JAN2014
		949	7830	5340	234	07JAN2014
		928	7890	5460	228	14JAN2014
		1040	7790	5560	230	15JAN2014



Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		959	7550	5360	229	16JAN2014
		1040	7830	5450	243	22JAN2014
		1020	7890	5400	228	23JAN2014
		958	7480	5500	235	25JAN2014
		1080	7490	5780	241	03FEB2014
		993	6710	5840	229	03FEB2014
		1000	7130	6080	256	03FEB2014
		1100	6820	5750	236	06FEB2014
		1230	7380	5960	243	07FEB2014
		964	6580	5600	236	10FEB2014
		1040	6640	5790	219	12FEB2014
		1080	6520	6020	222	16FEB2014
		1040	7110	6100	238	18FEB2014
		947	6570	5740	223	19FEB2014
		1160	6370	5890	241	20FEB2014
		1130	7330	6290	256	21FEB2014
		1030	6950	6220	237	21FEB2014
		993	6790	6170	244	22FEB2014
		1080	6970	6080	243	25FEB2014
		1020	7710	5810	242	26FEB2014

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1070	7590	6020	232	28FEB2014
		1010	7130	5390	229	01MAR2014
		1080	7190	5620	238	05MAR2014
		889	6710	5340	218	10MAR2014
		936	7280	5870	244	11MAR2014
		1060	7270	5580	241	12MAR2014
		856	7040	5410	233	12MAR2014
		1150	7350	5610	234	13MAR2014
		1040	7140	5900	222	15MAR2014
		1120	6760	5960	232	15MAR2014
		1130	7280	5380	236	17MAR2014
		984	6500	5730	220	18MAR2014
		1010	6820	5420	228	19MAR2014
		967	7090	5960	236	20MAR2014
		976	7170	5700	240	21MAR2014
		923	6470	5740	227	24MAR2014
		927	7350	5610	228	25MAR2014
		944	6860	5590	235	25MAR2014
		1060	7160	5460	227	26MAR2014
		977	7140	5770	213	27MAR2014

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1040	7470	6000	233	29MAR2014
		1080	7430	6300	245	01APR2014
		1000	7310	6060	238	02APR2014
		893	7000	5560	234	03APR2014
		1020	6750	5720	236	07APR2014
		997	7220	5730	221	08APR2014
		1110	7170	5510	239	10APR2014
		999	6980	5510	226	10APR2014
		985	7110	5920	234	15APR2014
		1120	7150	5890	255	15APR2014
		1010	7240	5940	230	17APR2014
		1030	7270	5370	229	21APR2014
		1040	7810	5400	237	23APR2014
		1070	6940	5500	233	24APR2014
		984	7000	5820	234	29APR2014
		976	6840	5590	234	01MAY2014
		986	7190	5790	230	01MAY2014
		1020	6900	5810	231	02MAY2014
		1000	6720	5810	225	03MAY2014
		1210	6820	5490	243	06MAY2014

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1110	6910	5830	241	08MAY2014
		1010	6810	5750	233	09MAY2014
		947	6460	5900	240	10MAY2014
		1030	7080	6050	232	13MAY2014
		1050	7280	5970	241	14MAY2014
		1030	7310	5500	229	14MAY2014
		1040	7000	5770	250	15MAY2014
		984	6860	5490	227	19MAY2014
		1040	7360	5940	241	20MAY2014
		939	6450	6100	234	21MAY2014
		976	7350	5890	237	22MAY2014
		990	7050	6080	246	26MAY2014
		1010	6680	5540	230	26MAY2014
		1050	7290	5390	241	28MAY2014
		995	6790	5360	234	29MAY2014
		1020	6940	5370	231	29MAY2014
		1070	6900	5720	230	30MAY2014
		941	6390	5430	220	31MAY2014
		927	6550	5370	221	03JUN2014
		1100	6870	5630	236	03JUN2014

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		873	6720	5500	226	04JUN2014
		920	6630	5370	224	05JUN2014
		1170	6700	5420	229	06JUN2014
		1100	6600	5360	218	07JUN2014
		960	6420	5540	235	11JUN2014
		1110	6690	6120	249	11JUN2014
		1000	6700	6190	227	12JUN2014
		933	6980	5720	216	12JUN2014
		993	6550	5490	236	13JUN2014
		1060	6770	5690	236	16JUN2014
		1010	6850	5500	238	16JUN2014
		1030	6620	5430	236	19JUN2014
		1000	6730	5610	232	19JUN2014
		920	6940	5550	223	21JUN2014
		1080	6240	5800	237	26JUN2014
		1050	6370	5700	241	03JUL2014
		1080	6450	5690	244	07JUL2014
		911	6270	6220	226	08JUL2014
		1020	6480	5970	232	09JUL2014
		948	6690	5780	235	10JUL2014

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		975	6970	6070	239	11JUL2014
		1040	6200	5660	224	14JUL2014
		960	6350	5930	233	20JUL2014
		1050	6500	5700	236	22JUL2014
		918	6010	5640	214	22JUL2014
		991	6170	5830	221	23JUL2014
		1070	6710	5840	236	23JUL2014
		961	6200	5760	233	25JUL2014
		973	6050	5780	223	25JUL2014
		953	6620	5990	222	29JUL2014
		1110	6620	5770	238	01AUG2014
		1040	6330	5950	231	04AUG2014
		943	6160	5820	234	05AUG2014
		1030	6270	6100	224	06AUG2014
		1040	6160	5830	226	07AUG2014
		1020	6900	6050	234	08AUG2014
		1080	6480	6090	239	12AUG2014
		1000	6270	5750	230	13AUG2014
		975	6110	5570	217	15AUG2014
		936	6020	5900	233	18AUG2014

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		931	6110	6220	246	21AUG2014
		1250	6180	6230	248	22AUG2014
		919	6850	6240	234	22AUG2014
		926	6470	6210	229	25AUG2014
		1030	6970	6520	240	26AUG2014
		1100	6050	6280	245	29AUG2014
		1060	6290	6350	247	03SEP2014
		1020	6490	6320	240	03SEP2014
		947	6070	6170	239	03SEP2014
		1010	6690	6410	234	04SEP2014
		1020	6430	5720	235	05SEP2014
		1030	6320	6380	239	08SEP2014
		1160	6330	6570	235	08SEP2014
		968	6540	6010	231	12SEP2014
		1060	6400	6020	246	12SEP2014
		881	6170	5640	224	15SEP2014
		975	6730	5880	240	18SEP2014
		1020	7160	6060	244	22SEP2014
		970	6860	6030	243	24SEP2014
		1090	6630	5870	248	26SEP2014

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1030	7370	6010	256	29SEP2014
		1130	7340	5790	246	30SEP2014
		1100	6900	6120	246	01OCT2014
		1020	7140	5900	230	03OCT2014
		1010	7300	5820	237	06OCT2014
		1060	7830	6090	238	07OCT2014
		951	7120	5840	236	08OCT2014
		928	6830	5710	241	09OCT2014
		968	7000	5730	244	09OCT2014
		1110	7610	5950	257	13OCT2014
		1060	6910	6190	247	15OCT2014
		968	6720	6510	243	16OCT2014
		1130	7300	6180	250	17OCT2014
		1020	6770	6350	236	20OCT2014
		923	6870	5490	229	22OCT2014
		920	6520	5820	231	24OCT2014
		979	6640	5700	237	28OCT2014
		1080	6720	5860	252	29OCT2014
		1020	6540	5550	239	30OCT2014
		1030	6620	5930	237	31OCT2014



Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		989	6730	6090	220	12NOV2014
		965	6930	6020	228	14NOV2014
		1030	6730	6200	217	14NOV2014
		1020	6780	6320	217	14NOV2014
		1170	7010	6250	234	18NOV2014
		1000	6510	5820	223	20NOV2014
		989	7620	6030	236	20NOV2014
		1140	7320	6280	231	24NOV2014
		931	6530	5780	212	25NOV2014
		997	6780	5950	215	26NOV2014
		1030	6640	6160	228	02DEC2014
		1010	6700	5940	218	02DEC2014
		889	6560	6060	212	03DEC2014
		932	7230	5710	242	04DEC2014
		968	6910	5800	223	06DEC2014
		959	6490	5640	243	09DEC2014
		958	6290	5920	221	10DEC2014
		905	6550	5510	220	11DEC2014
		1030	6770	5530	214	12DEC2014
		1140	6690	5860	228	15DEC2014

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1050	6280	5420	237	16DEC2014
		1040	6310	5590	233	18DEC2014
		905	6310	5540	226	19DEC2014
		1000	6680	5760	231	19DEC2014
		1040	6880	5840	223	22DEC2014
		995	6720	5630	231	23DEC2014
		1180	6690	6090	249	30DEC2014
		1260	6480	6060	235	30DEC2014
		1010	6680	5720	230	02JAN2015
		935	6610	6010	233	09JAN2015
		1090	7370	5490	217	16JAN2015
		1000	6700	5370	231	20JAN2015
		942	7010	5620	237	21JAN2015
		1090	7530	5940	234	22JAN2015
		967	7190	5810	239	26JAN2015
		987	7270	5630	234	27JAN2015
		1090	6750	5850	245	28JAN2015
		1000	6790	5640	222	30JAN2015
		989	6720	5340	223	03FEB2015
		1030	7300	6130	234	05FEB2015

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1100	6890	5620	244	06FEB2015
		1070	7050	5990	235	09FEB2015
		1010	7050	5730	230	11FEB2015
		1030	7070	5970	228	12FEB2015
		1010	6960	5830	232	12FEB2015
		1080	7110	6090	245	13FEB2015
		1050	6870	5920	234	16FEB2015
		1010	7270	5480	235	18FEB2015
		995	7070	5810	228	23FEB2015
		912	7270	6060	226	24FEB2015
		1010	6860	5590	238	25FEB2015
		1070	7160	6130	230	25FEB2015
		992	6810	5860	230	25FEB2015
		1010	7550	6240	232	26FEB2015
		1090	7180	5970	244	27FEB2015
		1070	7190	6190	233	28FEB2015
		1060	7230	6160	239	02MAR2015
		1110	6700	5330	236	03MAR2015
		963	6670	5770	222	04MAR2015
		1080	6820	5590	222	04MAR2015

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1120	6730	5430	242	05MAR2015
		1060	6690	5890	239	05MAR2015
		1160	6860	5540	232	10MAR2015
		1070	6920	5650	238	11MAR2015
		1010	7240	5810	233	12MAR2015
		1140	6720	5920	244	13MAR2015
		943	6830	5610	237	16MAR2015
		1040	7340	5640	231	17MAR2015
		1030	7240	5870	243	17MAR2015
		983	6680	5450	228	18MAR2015
		1130	7240	5960	249	19MAR2015
		1030	7510	6300	232	23MAR2015
		1050	6800	5850	239	24MAR2015
		1050	6720	5920	239	25MAR2015
		1130	6790	6000	256	27MAR2015
		1050	6830	5350	240	30MAR2015
		1070	6790	6040	248	31MAR2015
		1110	7050	5560	245	02APR2015
		1000	6740	5780	235	03APR2015
		1050	6650	5690	213	07APR2015

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1080	7010	5890	242	08APR2015
		1010	7330	5880	236	09APR2015
		1170	7060	5940	236	13APR2015
		967	6710	6020	230	15APR2015
		1070	7020	5490	218	17APR2015
		943	6730	5560	227	17APR2015
		987	6720	5760	223	20APR2015
		1060	7480	5870	225	21APR2015
		1120	6620	5980	228	21APR2015
		1100	6960	6100	237	23APR2015
		980	6710	6020	220	24APR2015
		957	6560	5760	219	27APR2015
		1070	7520	5840	236	29APR2015
		950	6900	5410	217	30APR2015
		1020	7360	5890	228	01MAY2015
		1150	7230	6060	246	04MAY2015
		1230	7440	6080	253	06MAY2015
		1120	7270	5780	230	07MAY2015
		1050	6810	5870	233	12MAY2015
		1010	6890	5780	237	13MAY2015

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		999	7040	5940	227	14MAY2015
		1050	7210	5910	233	19MAY2015
		1030	7160	5960	233	21MAY2015
		962	7280	5770	237	26MAY2015
		998	6900	5590	229	26MAY2015
		1050	6790	6040	240	27MAY2015
		1030	6780	5770	226	28MAY2015
		990	7180	5660	230	01JUN2015
		1120	7110	5770	229	03JUN2015
		1270	7770	5750	239	08JUN2015
		1070	7250	5670	251	10JUN2015
		973	7000	5610	240	10JUN2015
		964	7070	5450	239	12JUN2015
		1030	7080	5760	228	15JUN2015
		1000	7170	5700	232	15JUN2015
		907	7390	5710	212	16JUN2015
		1030	7440	5380	221	18JUN2015
		1030	7450	5750	227	19JUN2015
		992	7310	5530	228	22JUN2015
		980	7230	5550	228	24JUN2015

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		963	7010	5550	216	25JUN2015
		981	7330	5380	224	29JUN2015
		922	7020	5450	212	30JUN2015
		948	7160	5690	217	01JUL2015
		1070	6950	5520	233	02JUL2015
		1040	6980	5600	232	08JUL2015
		1150	7270	5650	242	09JUL2015
		972	7070	5670	213	14JUL2015
		1000	7450	5800	227	15JUL2015
		984	6980	5670	223	20JUL2015
		987	6990	5670	228	20JUL2015
		1010	7210	5740	235	22JUL2015
		994	6850	5940	218	22JUL2015
		983	7300	6180	219	23JUL2015
		1030	7420	6150	237	24JUL2015
		969	6820	5640	223	28JUL2015
		1100	7010	5670	241	29JUL2015
		1050	7440	5920	225	30JUL2015
		1090	6840	6090	228	03AUG2015
		942	6460	5760	226	04AUG2015

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		951	6530	5730	231	05AUG2015
		996	6460	5680	213	05AUG2015
		1160	6720	6110	231	07AUG2015
		869	6510	5740	231	10AUG2015
		971	6570	5800	230	11AUG2015
		1050	6490	5470	215	12AUG2015
		1060	6630	6010	234	14AUG2015
		1040	6500	5860	232	17AUG2015
		1080	6640	5920	228	18AUG2015
		1200	6650	6050	245	20AUG2015
		1000	6560	5940	231	21AUG2015
		1010	6740	5820	232	24AUG2015
		1150	7330	6000	223	25AUG2015
		964	6760	5700	224	26AUG2015
		984	6600	5860	231	26AUG2015
		963	6820	5800	240	27AUG2015
		1020	6700	5540	224	28AUG2015
		1050	6920	5860	222	28AUG2015
		1020	6630	5770	223	31AUG2015
		1260	6940	6100	243	01SEP2015



Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1060	6640	5910	227	01SEP2015
		987	6740	6090	245	02SEP2015
		965	6990	5750	229	03SEP2015
		1050	7150	5720	237	03SEP2015
		1060	7050	6330	241	04SEP2015
		907	6850	5760	213	08SEP2015
		950	6810	5760	233	10SEP2015
		1110	7170	5980	236	10SEP2015
		986	6710	5920	224	14SEP2015
		990	6900	5750	222	15SEP2015
		947	6960	5860	220	15SEP2015
		968	6850	5910	237	16SEP2015
		1050	6650	5880	227	16SEP2015
		1140	7460	6140	251	17SEP2015
		1040	7020	5930	223	18SEP2015
		940	6690	5810	220	22SEP2015
		1020	7060	6310	238	23SEP2015
		1070	6870	6040	232	24SEP2015
		1040	7140	6090	224	25SEP2015
		984	7060	5890	231	29SEP2015

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		978	6970	6000	237	01OCT2015
		931	6930	5720	239	02OCT2015
		978	6630	5740	228	05OCT2015
		1180	7330	5690	232	06OCT2015
		1050	7400	5870	245	07OCT2015
		952	7440	5630	222	08OCT2015
		982	7410	5670	241	08OCT2015
		947	7360	5680	234	12OCT2015
		1010	6950	5660	241	13OCT2015
		1020	6960	5350	226	15OCT2015
		992	6870	5400	221	16OCT2015
		994	6890	5630	218	19OCT2015
		1090	7010	5570	236	20OCT2015
		1140	6710	5710	247	20OCT2015
		994	6950	5830	235	21OCT2015
		1070	7460	5940	245	22OCT2015
		1100	7310	6030	257	24OCT2015
		1010	6960	5890	256	27OCT2015
		962	7320	6050	227	28OCT2015
		1020	6490	5330	241	03NOV2015

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		1030	6340	5240	222	04NOV2015
		947	6490	5140	228	05NOV2015
		1030	6410	5260	232	07NOV2015
		997	6540	5560	250	09NOV2015
		992	6200	5660	242	10NOV2015
		985	6390	5960	237	11NOV2015
		994	6340	5630	225	12NOV2015
		1130	6690	5940	240	13NOV2015
		988	6200	5730	228	16NOV2015
		1050	6260	5660	229	17NOV2015
		1010	6510	5840	237	17NOV2015
		939	6010	5730	237	17NOV2015
		984	6500	6090	248	19NOV2015
		989	6650	6030	258	20NOV2015
		954	6420	5900	235	20NOV2015
		1070	6670	5830	240	23NOV2015
		963	6720	5610	231	23NOV2015
		1130	7220	5760	247	24NOV2015
		1100	7530	6080	247	01DEC2015
		959	7150	6440	249	01DEC2015

Table 5.Laboratory QC Data Listing (as is) (cont'd)

QC Product	Replicate	NNK (ng/g)	NNN (ng/g)	NAT (ng/g)	NAB (ng/g)	Completed Analysis Date
(b) (4)		985	7160	5940	247	02DEC2015
		1020	7190	6090	254	02DEC2015
		976	7260	5880	241	03DEC2015
		1030	6880	5780	238	04DEC2015
		1030	6970	5870	231	08DEC2015
		956	7100	5720	248	10DEC2015
		954	6840	5410	231	10DEC2015
		929	7040	5750	238	10DEC2015
		984	7030	5370	225	14DEC2015
		934	6630	5660	234	15DEC2015
		982	6450	5320	208	21DEC2015
		958	7050	5820	218	28DEC2015
		949	7210	5810	229	28DEC2015
		1030	7170	5820	236	29DEC2015
		988	7110	5650	231	29DEC2015
		1220	7410	5800	235	30DEC2015
		977	7230	5720	243	30DEC2015

Table 6. Laboratory QC Product Descriptive Data (as is)

Analyte	Mean	Minimum	Maximum	Replicates (n)
Nicotine (mg/g)	19.1	17.1	21.9	2298
Arsenic (ng/g)	149	130	171	564
Cadmium (ng/g)	2405	2165	2645	602
NNN (ng/g)	6953	6010	7890	597
NNK (ng/g)	1024	856	1270	597
NAT (ng/g)	5815	5140	6570	597
NAB (ng/g)	234	208	258	597
B(a)P (ng/g)	1.3	0.9	1.7	154

NNN = N'nitrosonornicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine, NAB = N'nitrosoanabasine, B(a)P = benzo(a)pyrene

Table 7. Descriptive Statistics Based on Range of Product Means for All Six Camel Snus Styles

Analyte	Mean	Minimum	Maximum
Nicotine (mg/g)	9.8	9.3	10.2
% Un-ionized (free) Nicotine	33.1	31.0	34.2
Total Free Nicotine (mg/g)	3.3	3.1	3.4
Moisture (%)	33.4	33.3	33.7
pH	7.7	7.7	7.7
Acetaldehyde (ng/g)	1481†	1291†	1637
Crotonaldehyde (ng/g)	664†	626†	712†
Formaldehyde (ng/g)	1080†	886†	1340†
Arsenic (ng/g)	76.8	75.0	78.2
Cadmium (ng/g)	402	391	422
NNN (ng/g)	1134	1018	1275
NNK (ng/g)	331	314	357
NAT (ng/g)	399	365	410
NAB (ng/g)	57.0	52.0	66.7
B(a)P (ng/g)	1.1†	1.0†	1.2†

NNN = N'nitrosonor nicotine, NNK=4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, NAT= N'nitrosoanatabine,

NAB = N'nitrosoanabasine, B(a)P = benzo(a)pyrene

†Indicates that at least one replicate value was below the Limit of Quantification (LOQ). For values below the LOQ, the LOQ was used to calculate the mean and the corresponding minimum and maximum values.

## Appendix B

### Analytical Methods



**Title:** Specific Alkaloids in Tobacco

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**Document No.:** RJRT-WI-004105

**Revision Level:** 021

**Author:** Keith J Green

**Status:** CURRENT

### **Release Review and Approval**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
DOCUMENT COORDINATOR	Tracy M. Hefner	Scientist III	HEFNERT	07/19/2016 17:37
RJRT-AUTHOR	Keith J Green	Scientist IV	GREENK1	07/19/2016 19:05
RJRT-RELEASE APPROVER	Jannell M. Rowe	Director Product Services	ROWEJ	07/20/2016 11:36
DOCUMENT COORDINATOR	Tracy M. Hefner	Scientist III	HEFNERT	07/20/2016 13:39

### **Periodic Review**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
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### **Reason for Revision**

Updated to current documentation and process practices. Changed title and company name.



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**Author:** Candice K Cunningham

**Status:** CURRENT

**Release Review and Approval**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Sr Technician	MCCLUNE	12/10/2014 15:52
RJRT-AUTHOR	Candice K Cunningham	Sr Scientist	CUNNINC	12/10/2014 21:26
RJRT-RELEASE APPROVER	Jannell M. Rowe	Dir Product Services	ROWEJ	12/11/2014 13:46
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Sr Technician	MCCLUNE	12/11/2014 15:00

**Periodic Review**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
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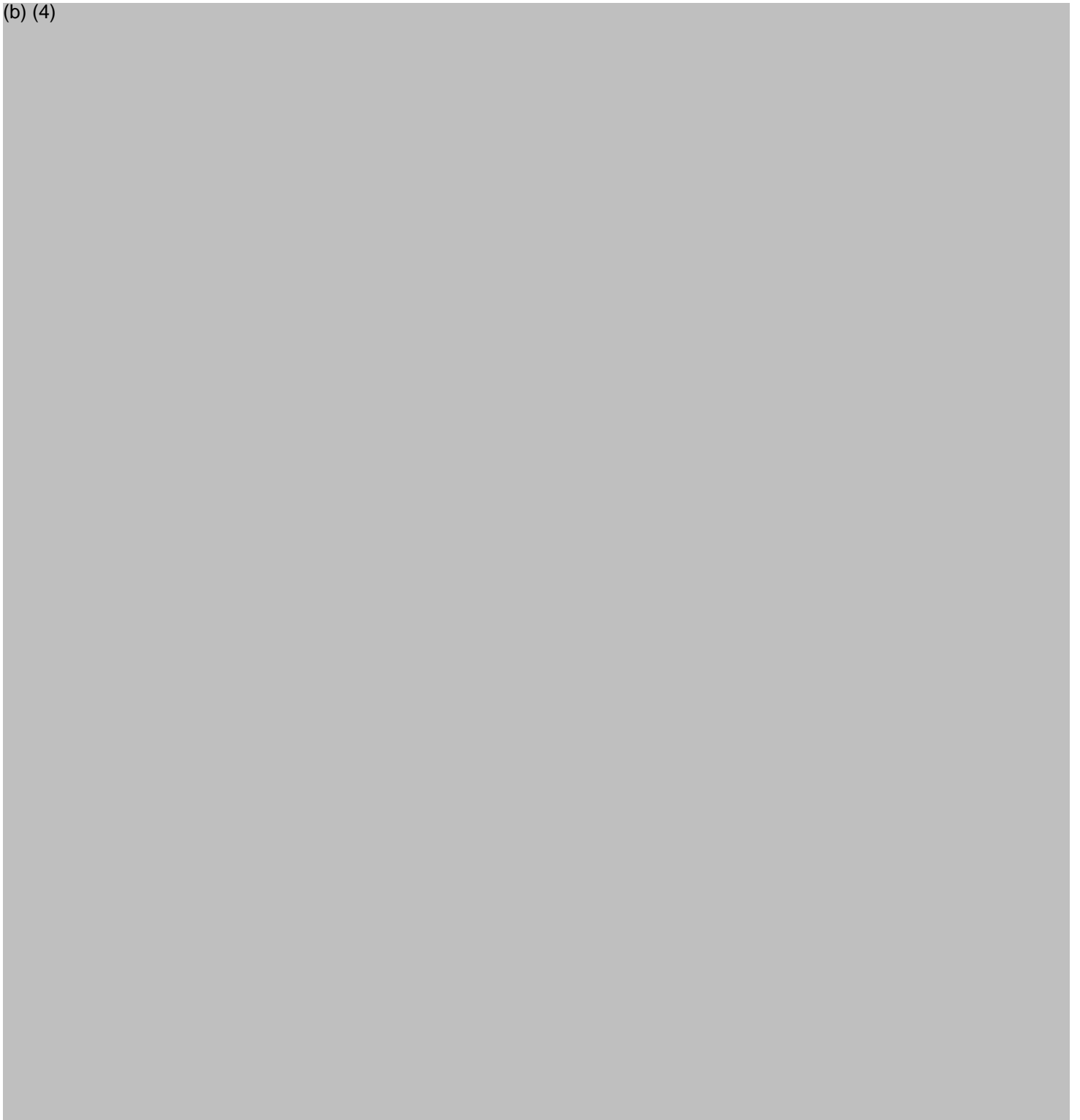


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Date: 05/02/14

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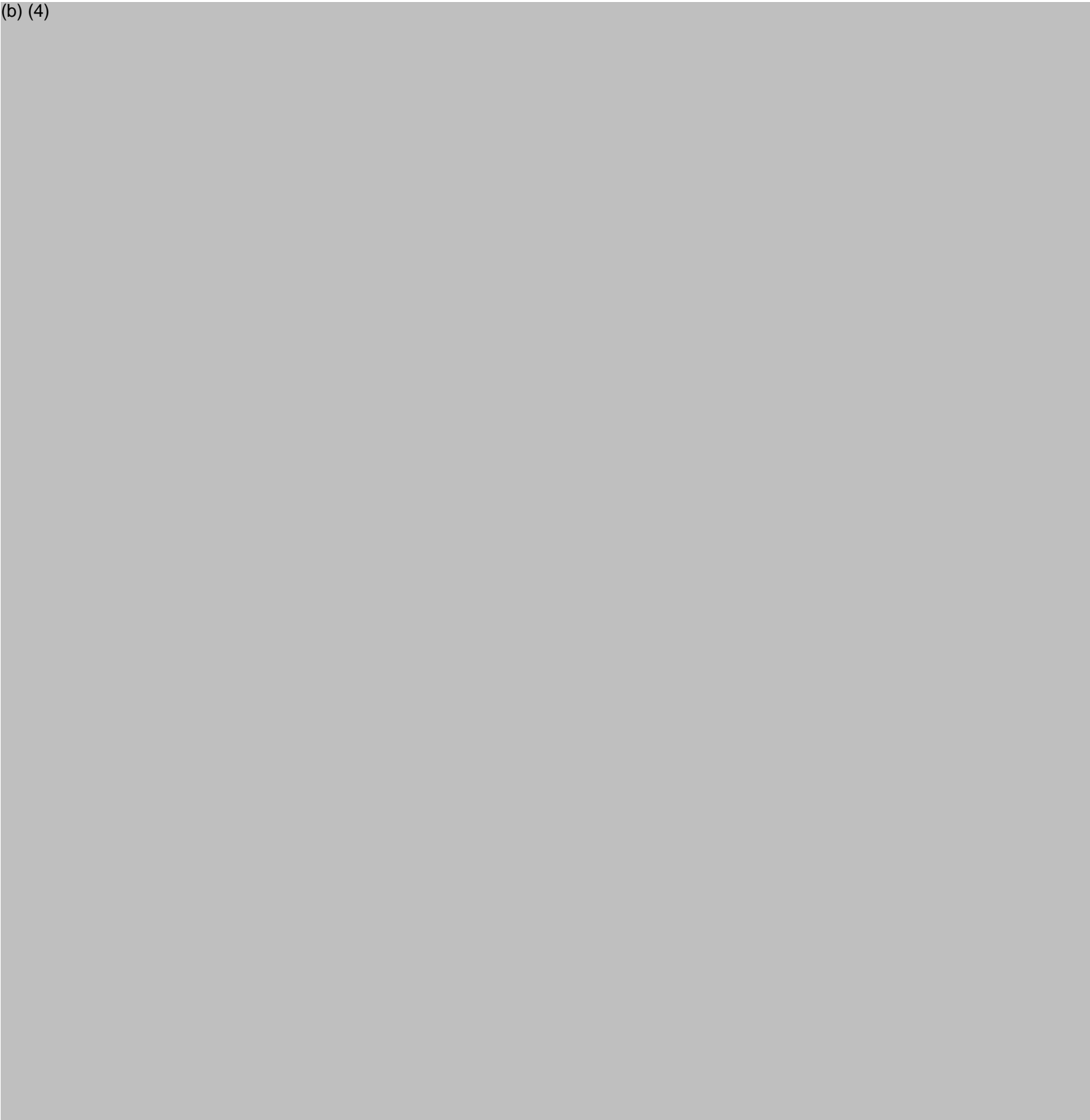
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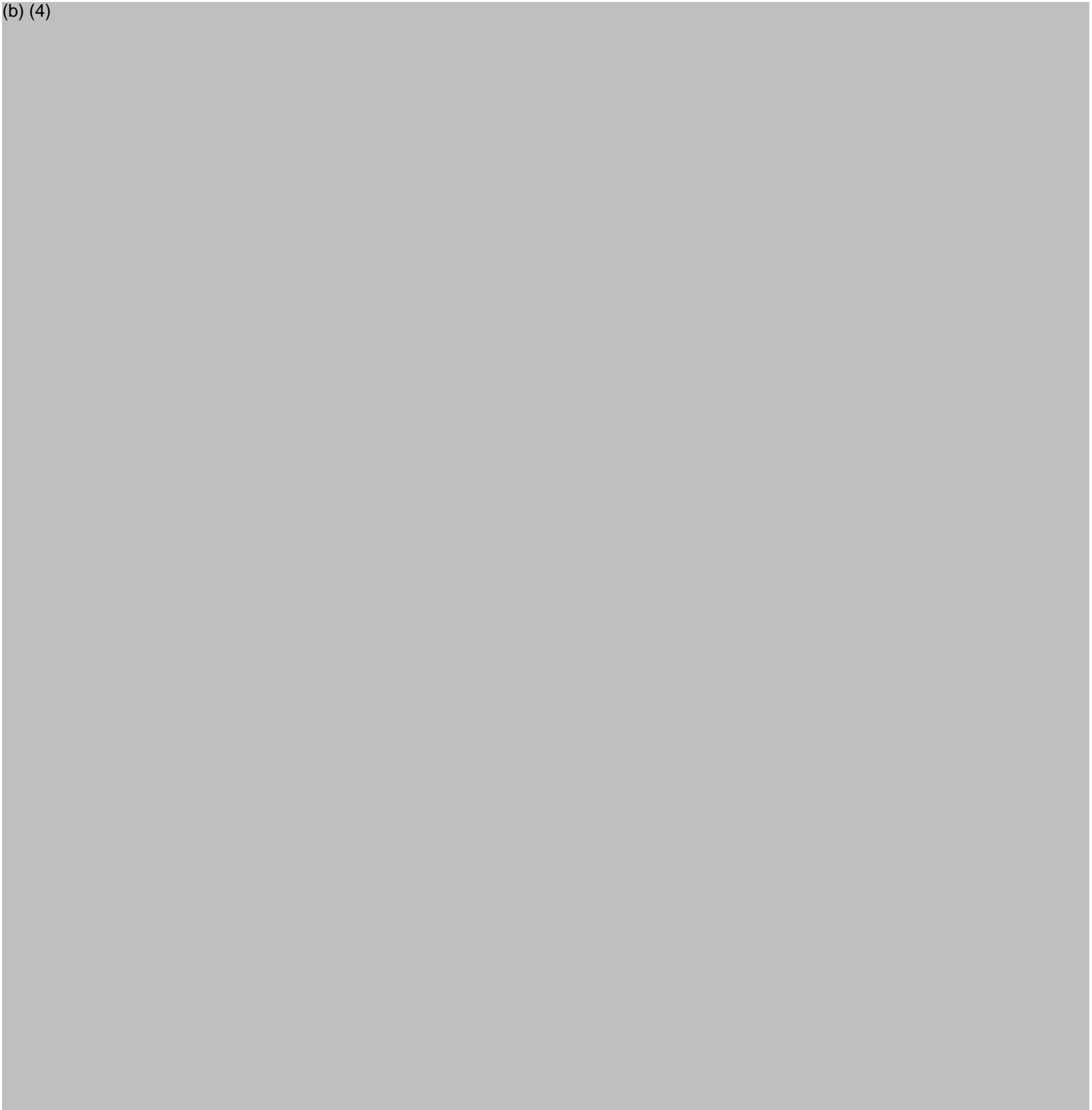
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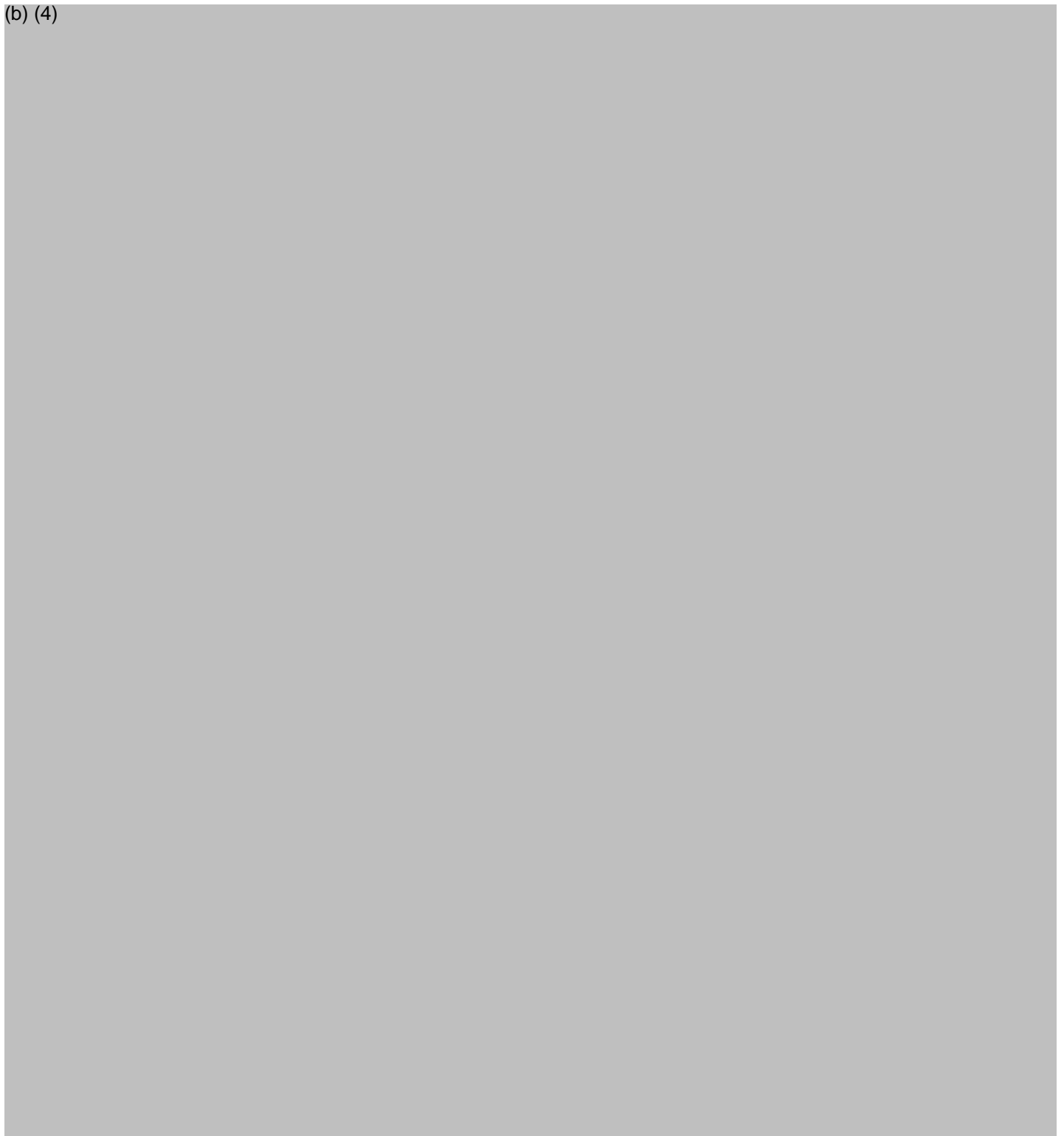


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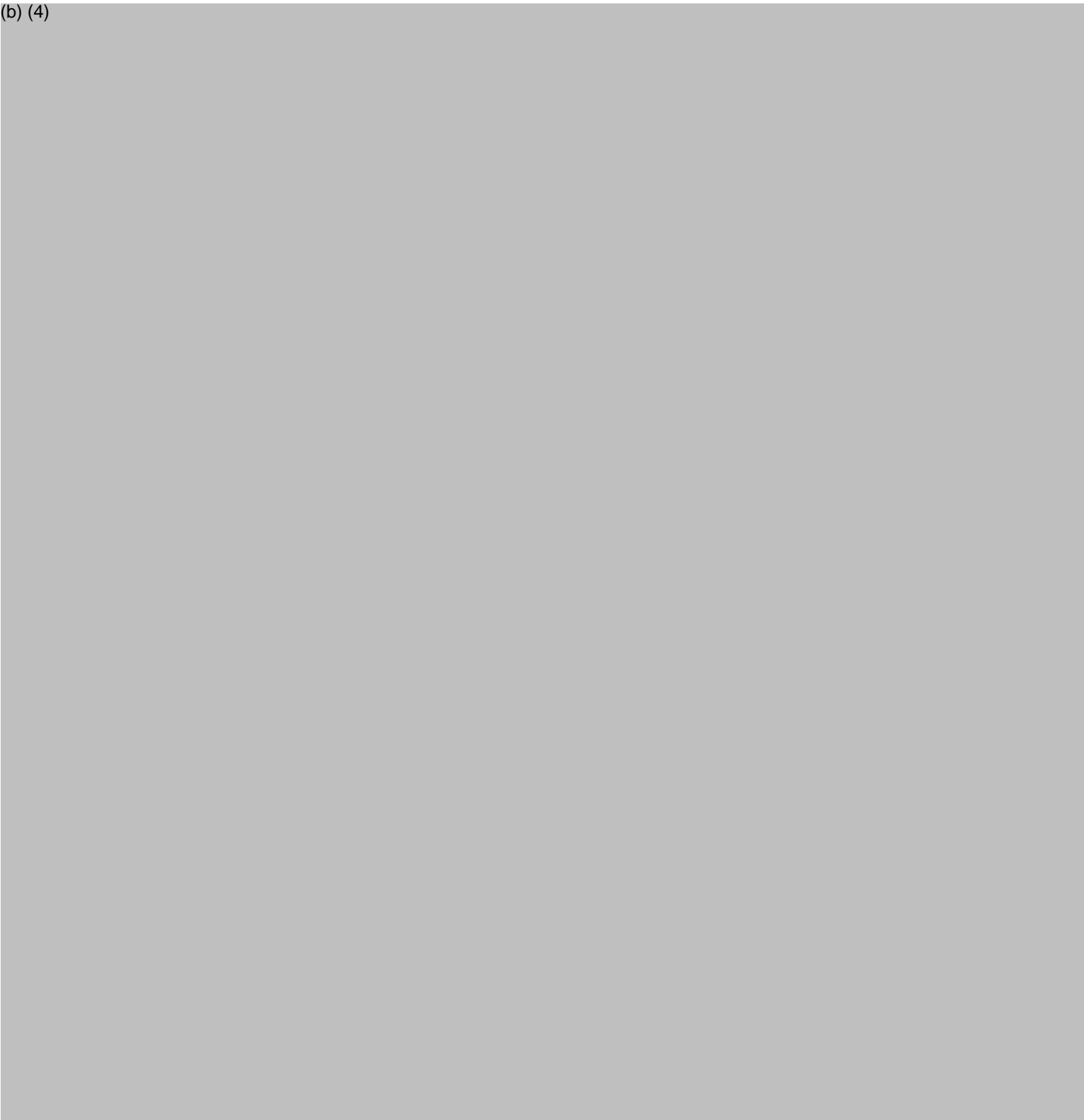
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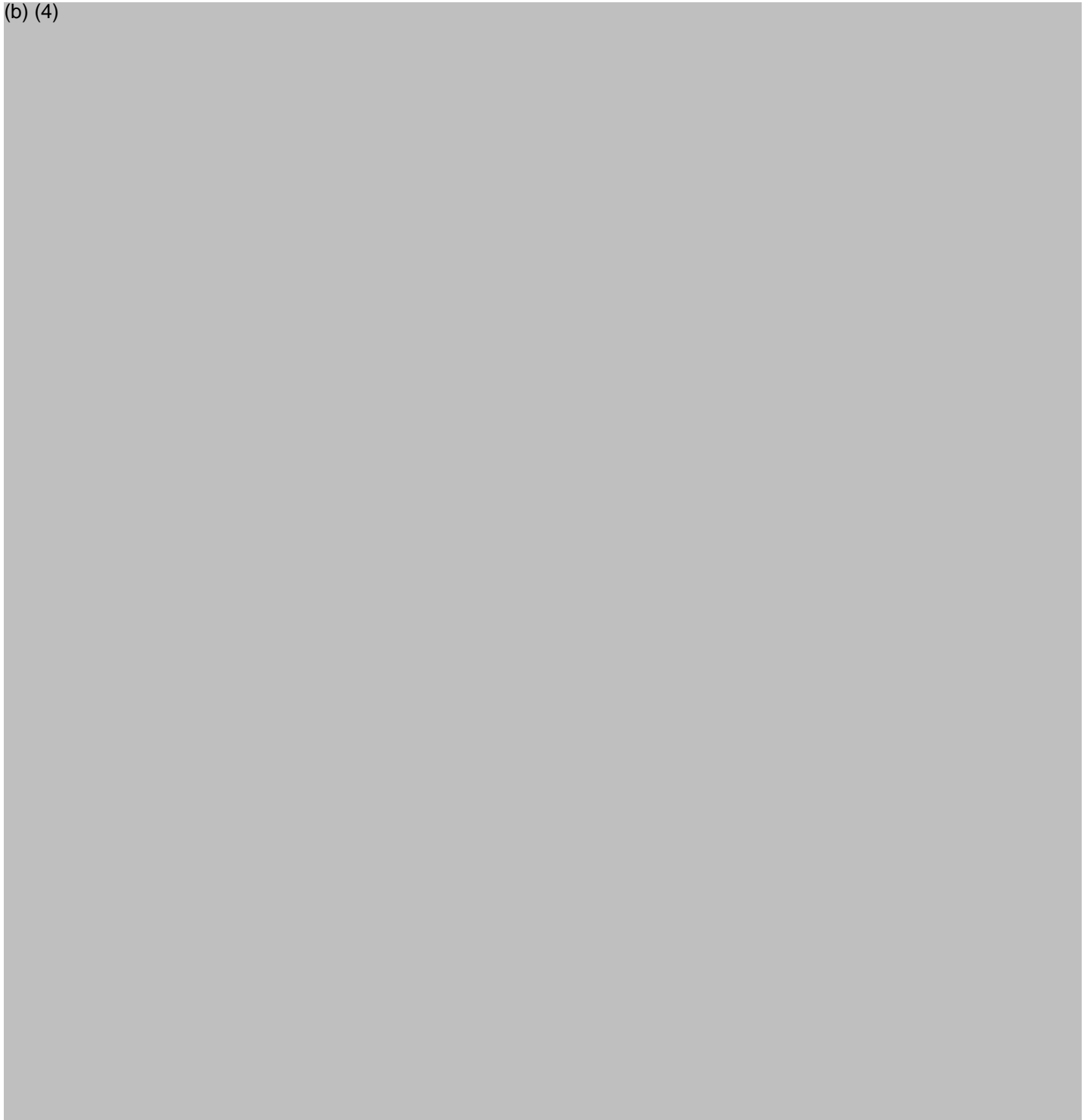
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Approved by: [Signature] Date: 10/02/13  
Quality Assurance - LLI

Approved by: [Signature] Date: 10/2/2013  
ASM Management - RJRT

Approved by: Leslie Winkler Date: 10/02/13  
Quality Assurance - LLI Document Control

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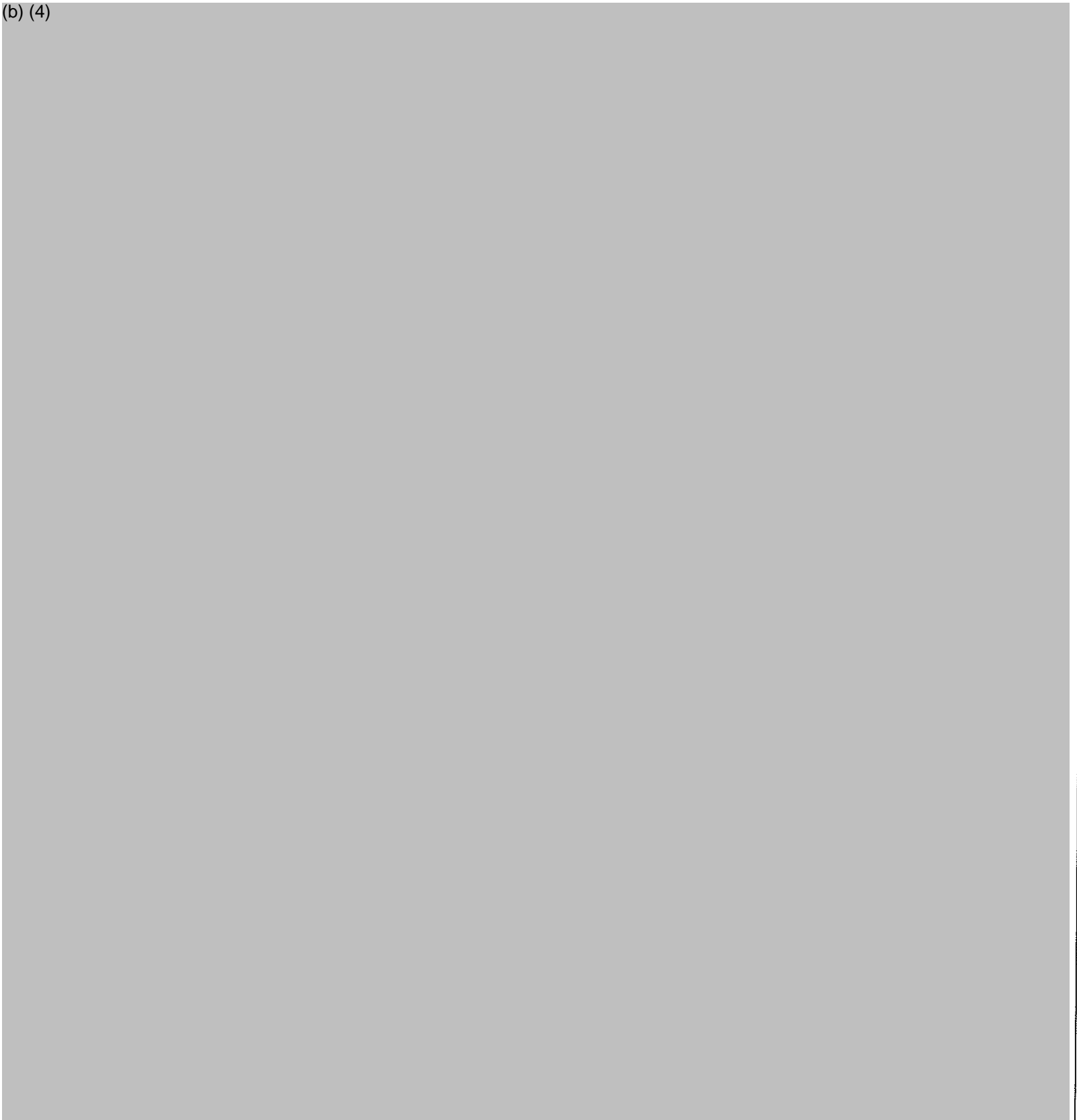
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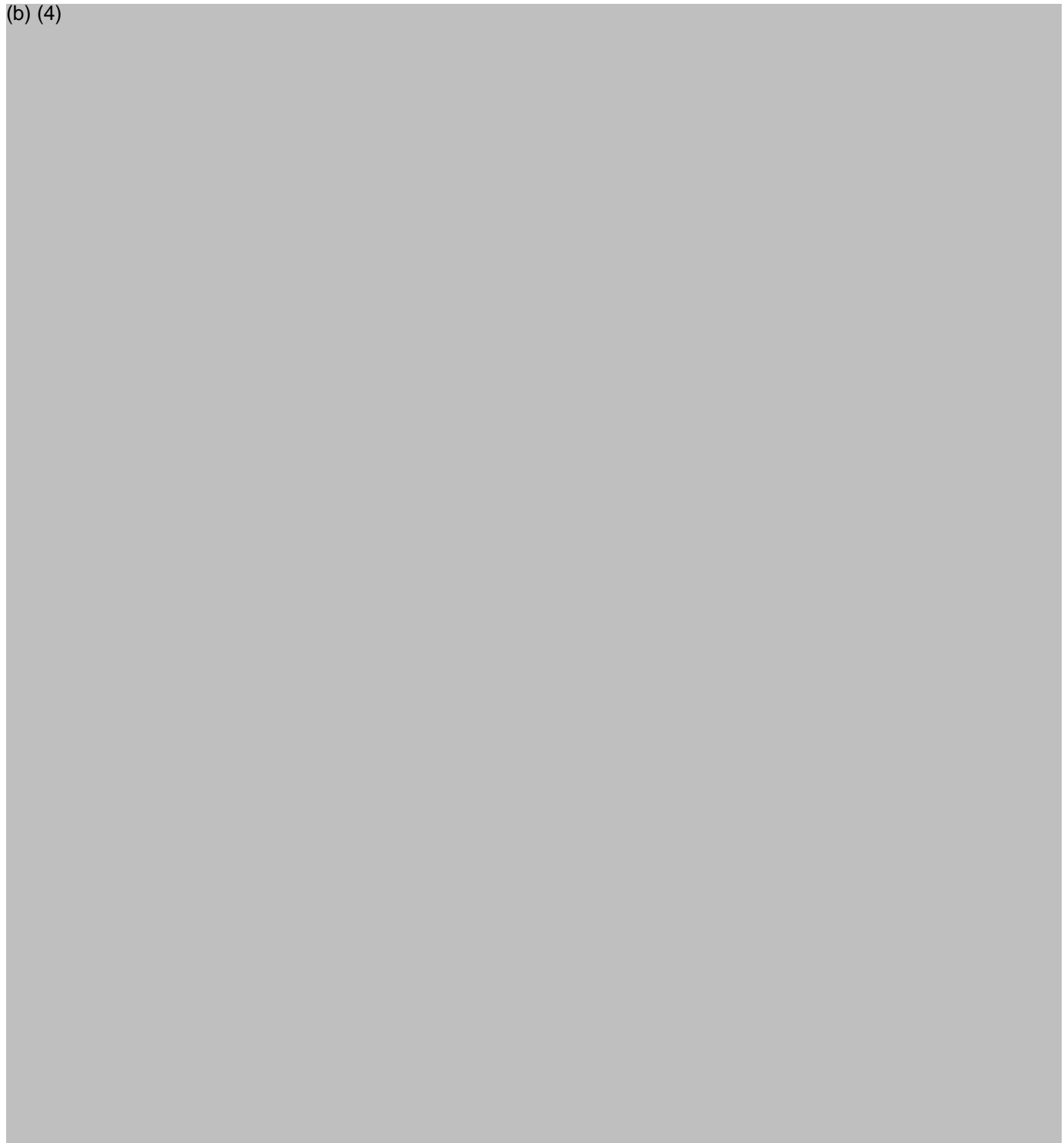
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**Approvals:**

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Date: 8-22-13

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Date: 08/22/13

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Date: 08/22/13



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**Title:** Analysis by ICPMS

**Effective Date:** 10/30/2015

**Document No.:** RJRT-WI-004210

**Revision Level:** 016

**Author:** Tracy M. Hefner

**Status:** CURRENT

**Release Review and Approval**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	10/16/2015 18:22
RJRT-AUTHOR	Tracy M. Hefner	Sr Technician	HEFNERT	10/16/2015 18:58
RJRT-RELEASE APPROVER	Jannell M. Rowe	Dir Product Services	ROWEJ	10/22/2015 14:48
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	10/22/2015 14:50

**Periodic Review**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
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**Reason for Revision**

Updated to current documentation practices. Changed title

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**Title:** Determination of Elemental Content by  
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**Document No.:** RJRT-WI-004210

**Revision Level:** 015

**Author:** Keith J Green

**Status:** EXPIRED

### **Release Review and Approval**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	12/16/2014 16:33
RJRT-AUTHOR	Keith J Green	Scientist IV	GREENK1	12/17/2014 14:57
RJRT-RELEASE APPROVER	Jannell M. Rowe	Dir Product Services	ROWEJ	12/17/2014 20:29
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	12/17/2014 21:21

### **Periodic Review**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
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### **Reason for Revision**

New template

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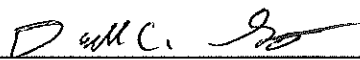
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Approvals:

Prepared by:   
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Approved by:   
Management - LLI


Date: 2-21-14

Approved by:   
Quality Assurance - LLI

Date: 02/21/14

Approved by:   
ASM Management - RJRT

Date: 02/24/2014

Approved by:   
Quality Assurance - LLI Document Control

Date: 02/25/2014

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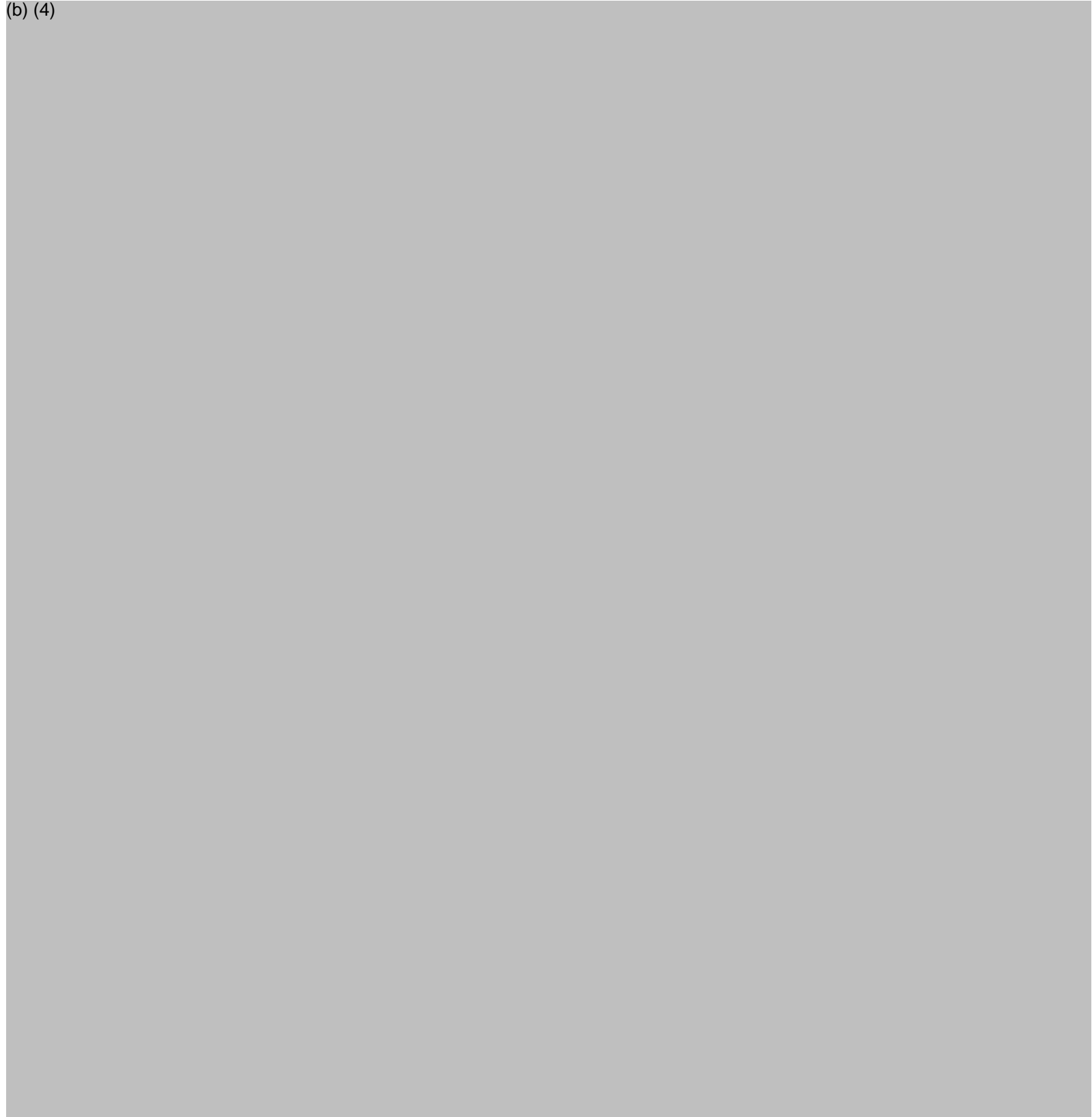
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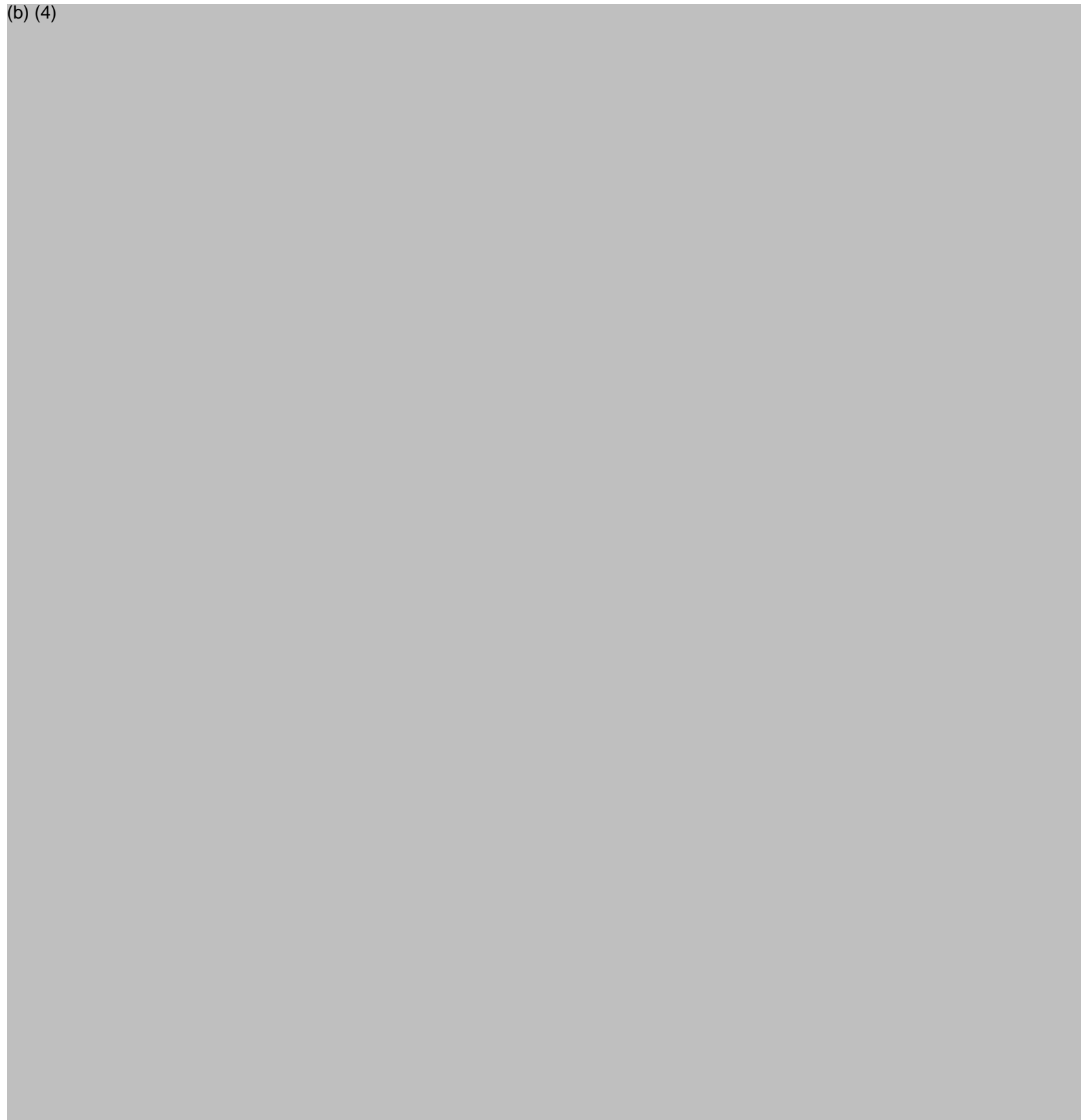
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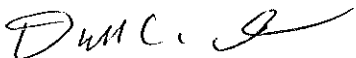
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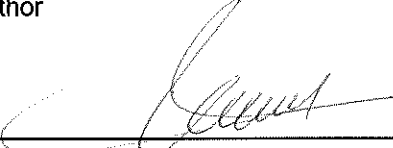
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**Approvals:**

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Quality Assurance - LLI

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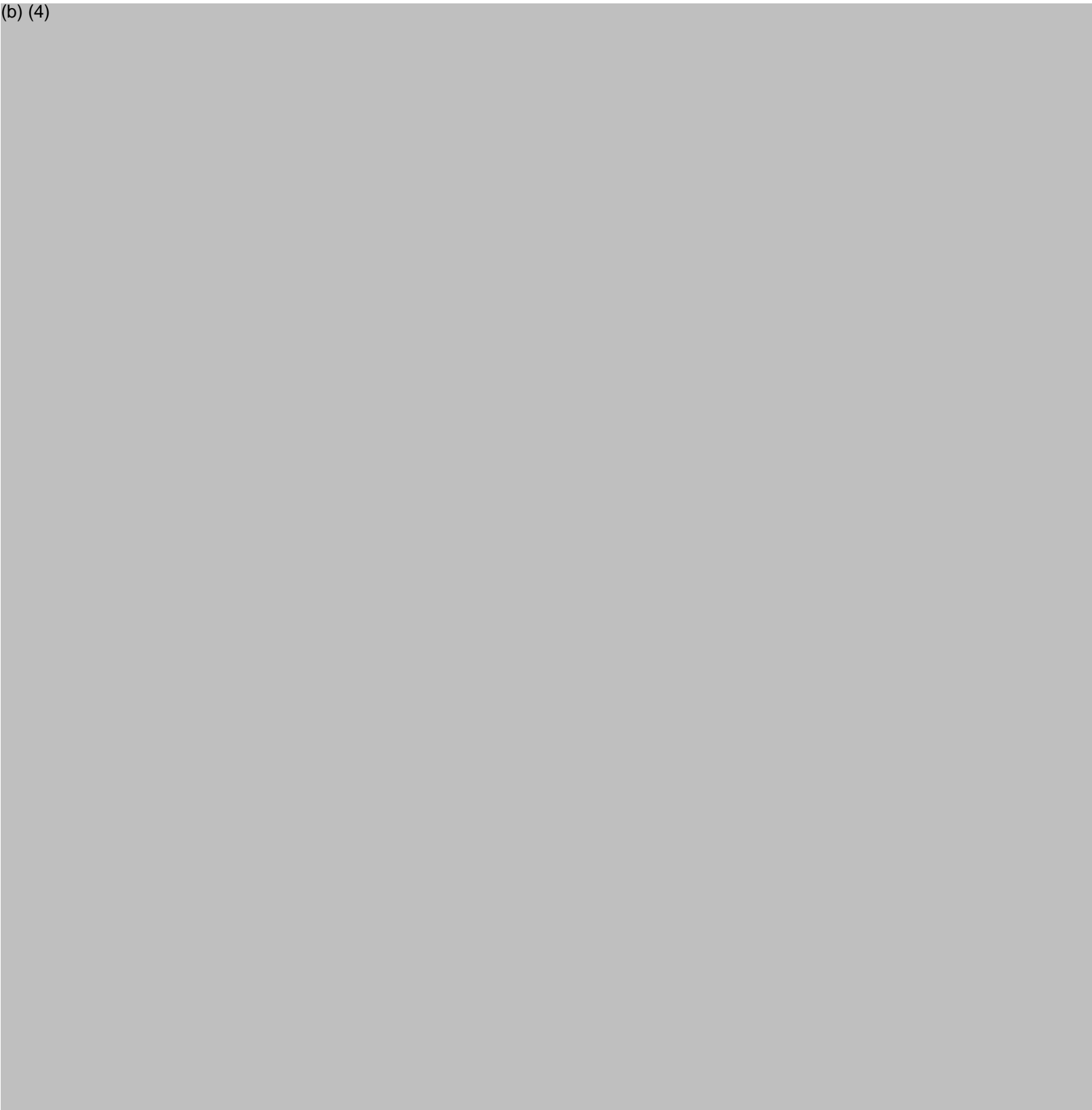
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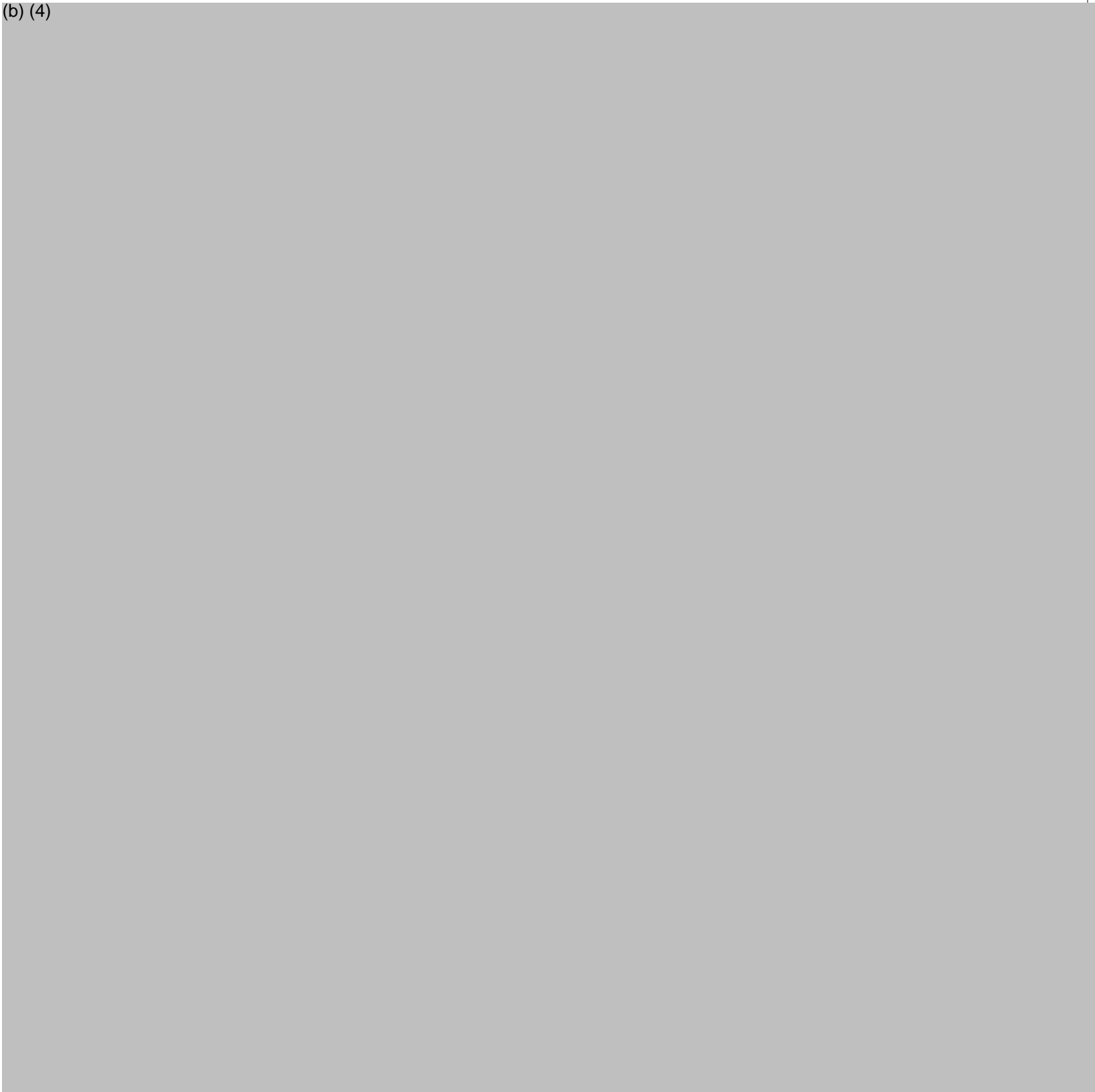
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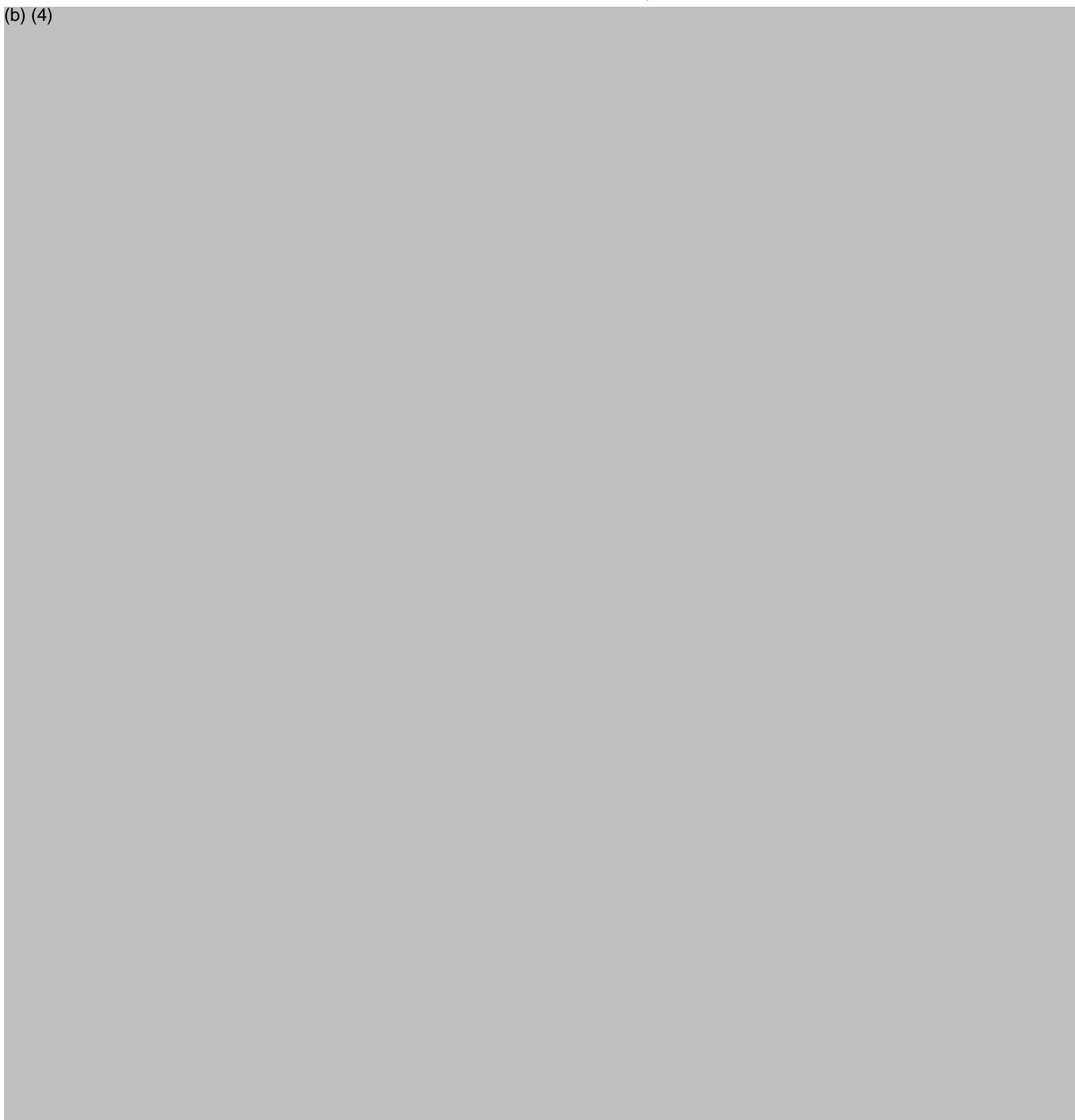
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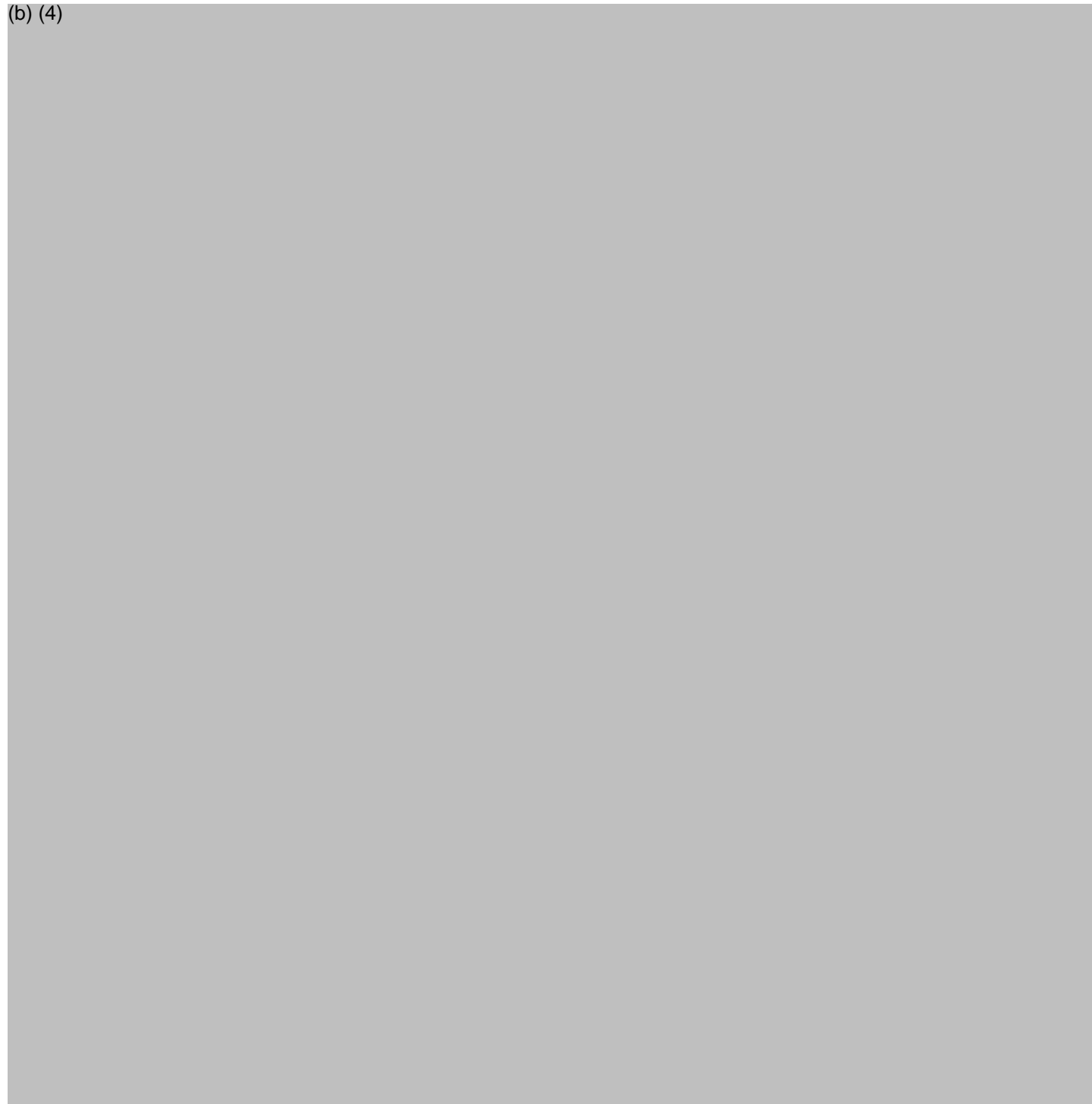
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Plasma Mass Spectrometry**



Doc: ACD1019STM

Rev.: 12

Date Issued: 10/22/2012


Date Revised: 10/22/2012

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**Approvals:**

Prepared by:   
Author

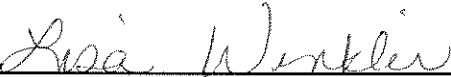
Date: 10-22-12

Approved by:   
Management - LLI

Date: 10-22-12

Approved by:   
Quality Manager - RJRT

Date: 10/22/12

Approved by:   
Quality Assurance - LLI

Date: 10/22/12

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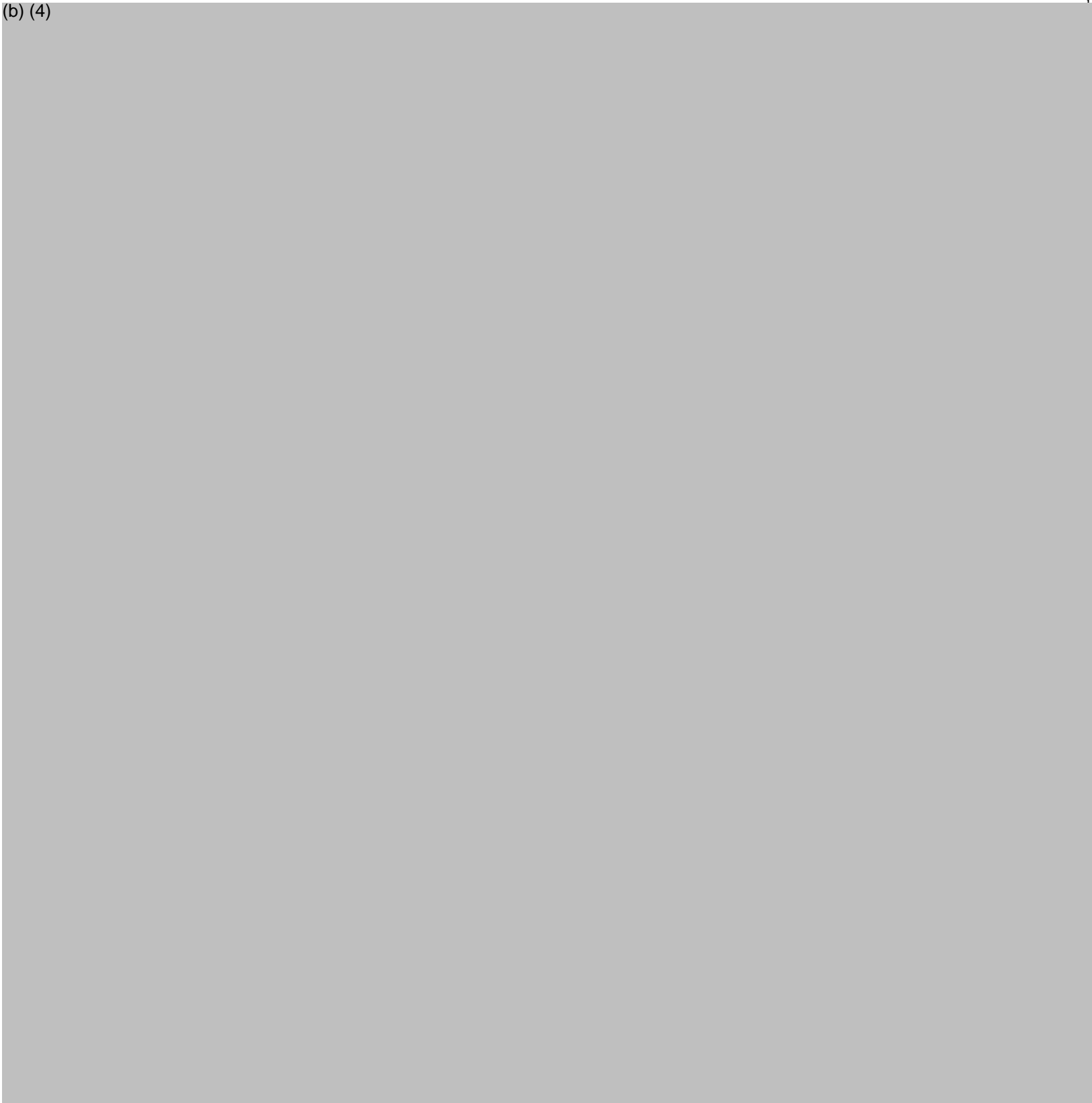
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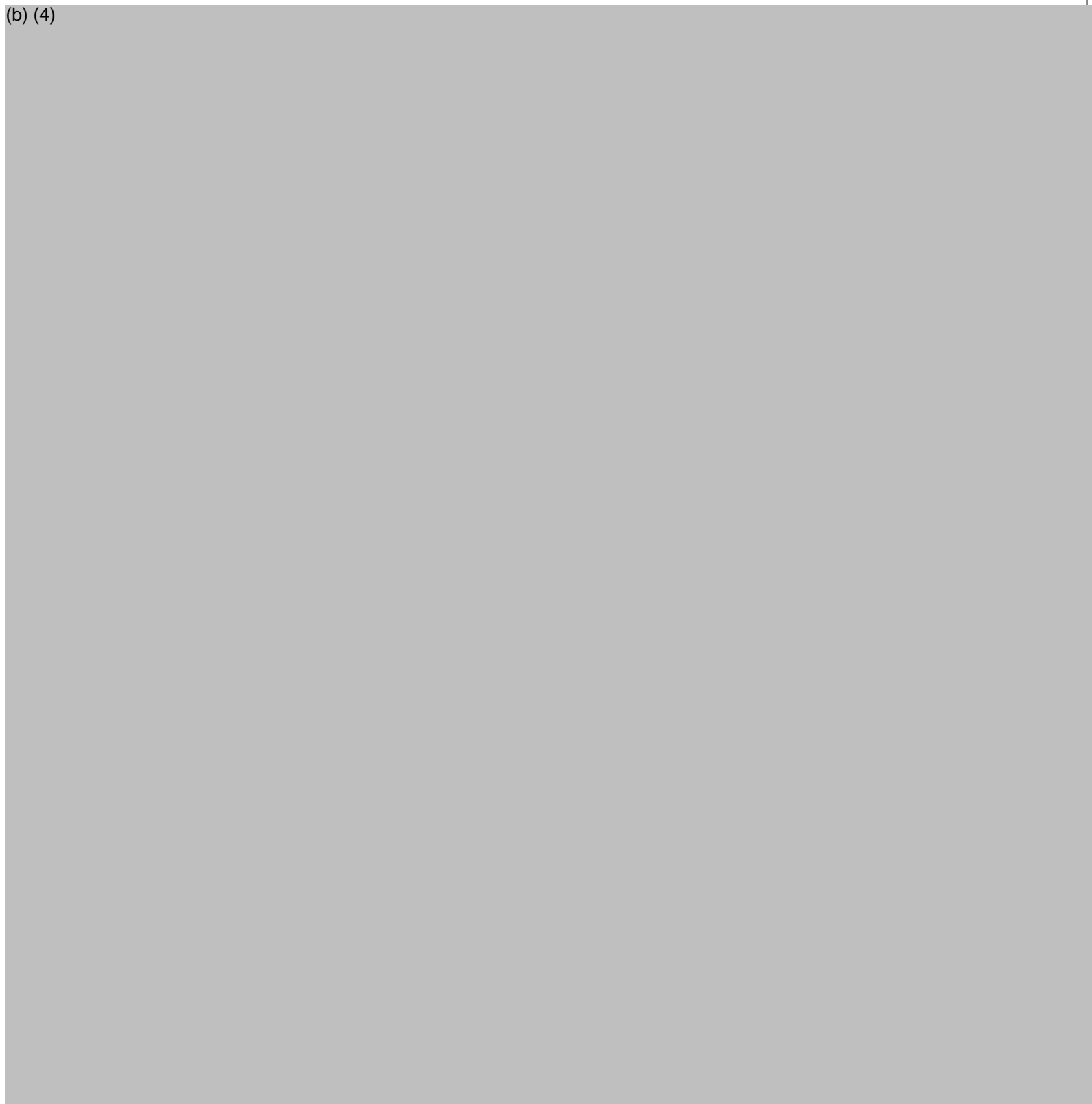
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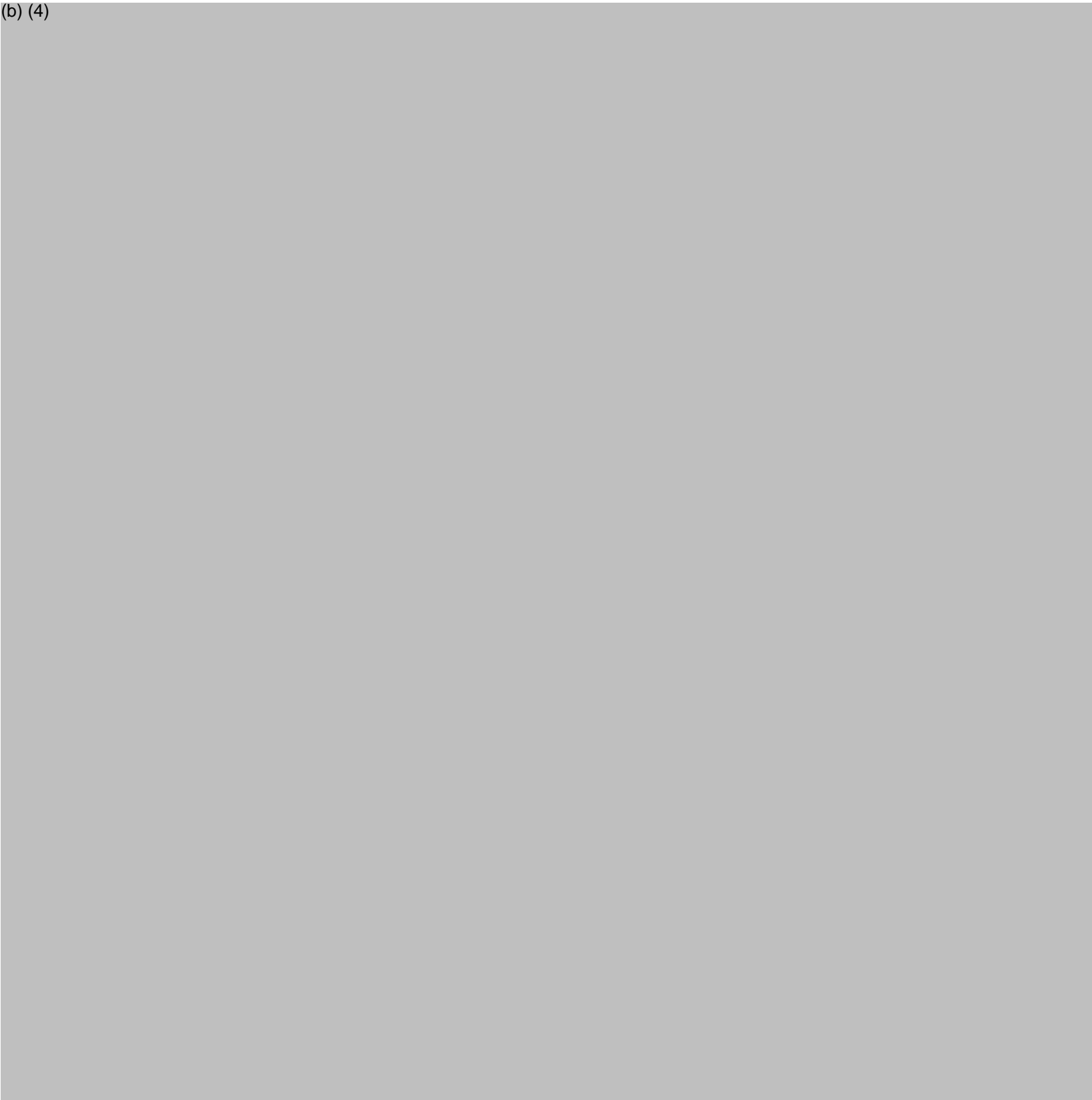
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**Title:** B[a]P in Tobacco Materials and Cigarette  
Smoke Condensate

**Effective Date:** 1/27/2016

**Document No.:** RJRT-WI-004204

**Revision Level:** 015

**Author:** Tracy M. Hefner

**Status:** CURRENT

### **Release Review and Approval**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	01/14/2016 14:57
RJRT-AUTHOR	Tracy M. Hefner	Sr Technician	HEFNERT	01/14/2016 17:25
RJRT-RELEASE APPROVER	Jannell M. Rowe	Dir Product Services	ROWEJ	01/15/2016 21:46
DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	01/19/2016 19:15

### **Periodic Review**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
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### **Reason for Revision**

Updated to add section on Record Storage.

Title: B[a]P in Tobacco Materials and Cigarette Smoke Condensate	Effective Date: 1/27/2016
Document #: RJRT-WI-004204	Revision: 015

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Title: B[a]P in Tobacco Materials and Cigarette Smoke Condensate	Effective Date: 1/27/2016
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Title: B[a]P in Tobacco Materials and Cigarette Smoke Condensate	Effective Date: 1/27/2016
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Title: B[a]P in Tobacco Materials and Cigarette Smoke Condensate	Effective Date: 1/27/2016
Document #: RJRT-WI-004204	Revision: 015

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**Title:** B[a]P in Tobacco Materials and Cigarette  
Smoke Condensate

**Effective Date:** 10/29/2015

**Document No.:** RJRT-WI-004204

**Revision Level:** 014

**Author:** Tracy M. Hefner

**Status:** EXPIRED

### **Release Review and Approval**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	10/16/2015 16:05
RJRT-AUTHOR	Tracy M. Hefner	Sr Technician	HEFNERT	10/16/2015 16:31
RJRT-RELEASE APPROVER	Jannell M. Rowe	Dir Product Services	ROWEJ	10/22/2015 14:46
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	10/22/2015 14:48

### **Periodic Review**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
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### **Reason for Revision**

Updated to current documentation practices. Changed title of WI. Changed company name. Updated for current method practices.

Title: B[a]P in Tobacco Materials and Cigarette Smoke Condensate	Effective Date: 10/29/2015
Document #: RJRT-WI-004204	Revision: 014

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Title: B[a]P in Tobacco Materials and Cigarette Smoke Condensate	Effective Date: 10/29/2015
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Title: B[a]P in Tobacco Materials and Cigarette Smoke Condensate	Effective Date: 10/29/2015
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**Title:** Determination of Benzo[a]pyrene (B[a]P) in  
Fired-Cured and Other Tobaccos

**Effective Date:** 3/17/2015

**Document No.:** RJRT-WI-004204

**Revision Level:** 013

**Author:** Keith J Green

**Status:** EXPIRED

### **Release Review and Approval**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	03/02/2015 15:11
RJRT-AUTHOR	Keith J Green	Scientist IV	GREENK1	03/02/2015 15:14
RJRT-RELEASE APPROVER	Jannell M. Rowe	Dir Product Services	ROWEJ	03/03/2015 1:57
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	03/03/2015 14:28

### **Periodic Review**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
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### **Reason for Revision**

New template

Title: Determination of Benzo[a]pyrene (B[a]P) in Fired-Cured and Other Tobaccos	Effective Date: 3/17/2015
Document #: RJRT-WI-004204	Revision: 013

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Title: Determination of Benzo[a]pyrene (B[a]P) in Fired-Cured and Other Tobaccos	Effective Date: 3/17/2015
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Title: Determination of Benzo[a]pyrene (B[a]P) in Fired-Cured and Other Tobaccos	Effective Date: 3/17/2015
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Title: Determination of Benzo[a]pyrene (B[a]P) in Fired-Cured and Other Tobaccos	Effective Date: 3/17/2015
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Approvals:

Prepared by:   
Author

Date: 8/27/14

Approved by:   
Management - LLI

Date: 8/28/14

Approved by:   
Quality Assurance - LLI

Date: 08/28/14

Approved by:   
ASM Management - RJRT

Date: 08/28/2014

Approved by:   
Quality Assurance – LLI Document Control

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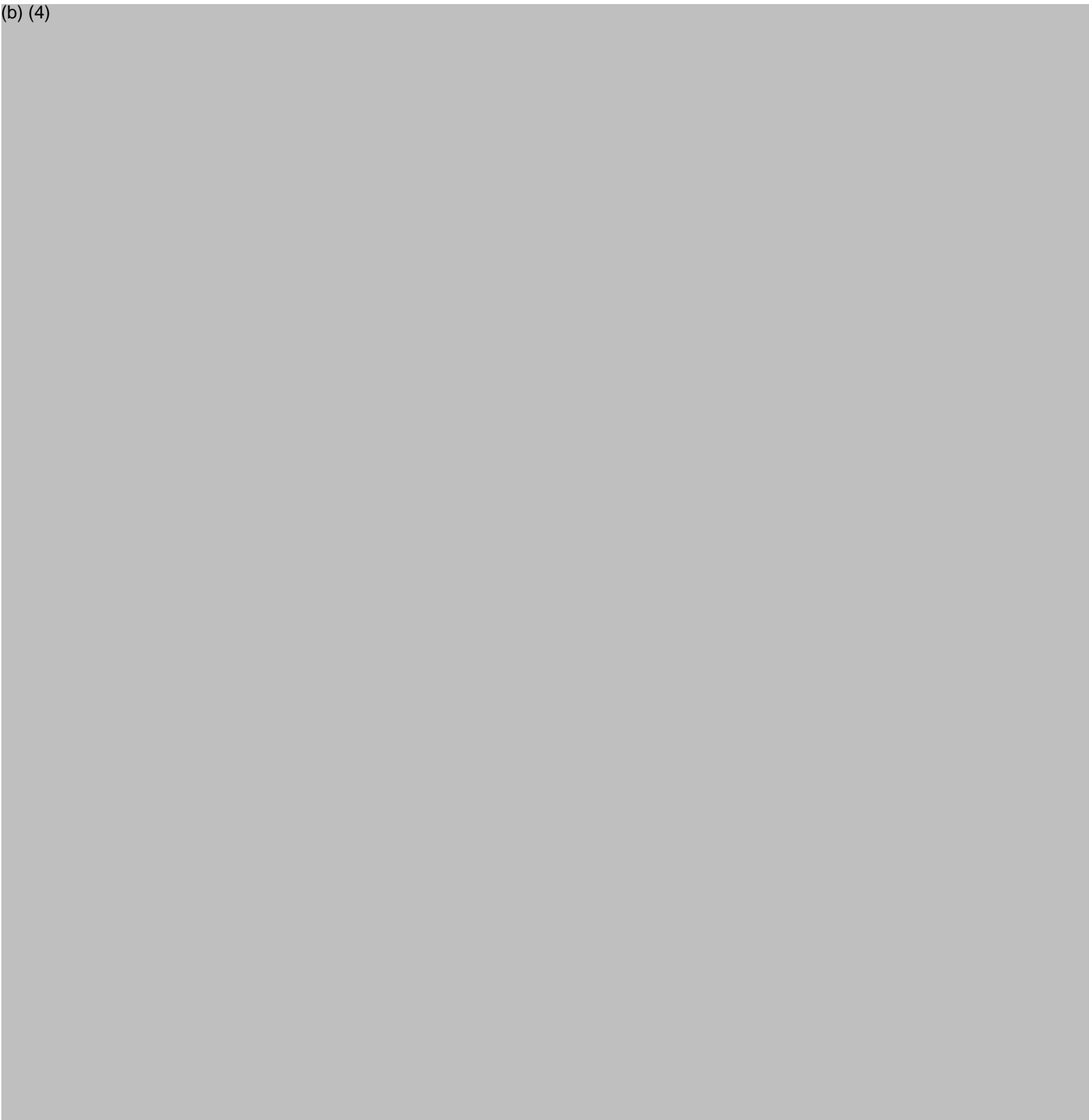
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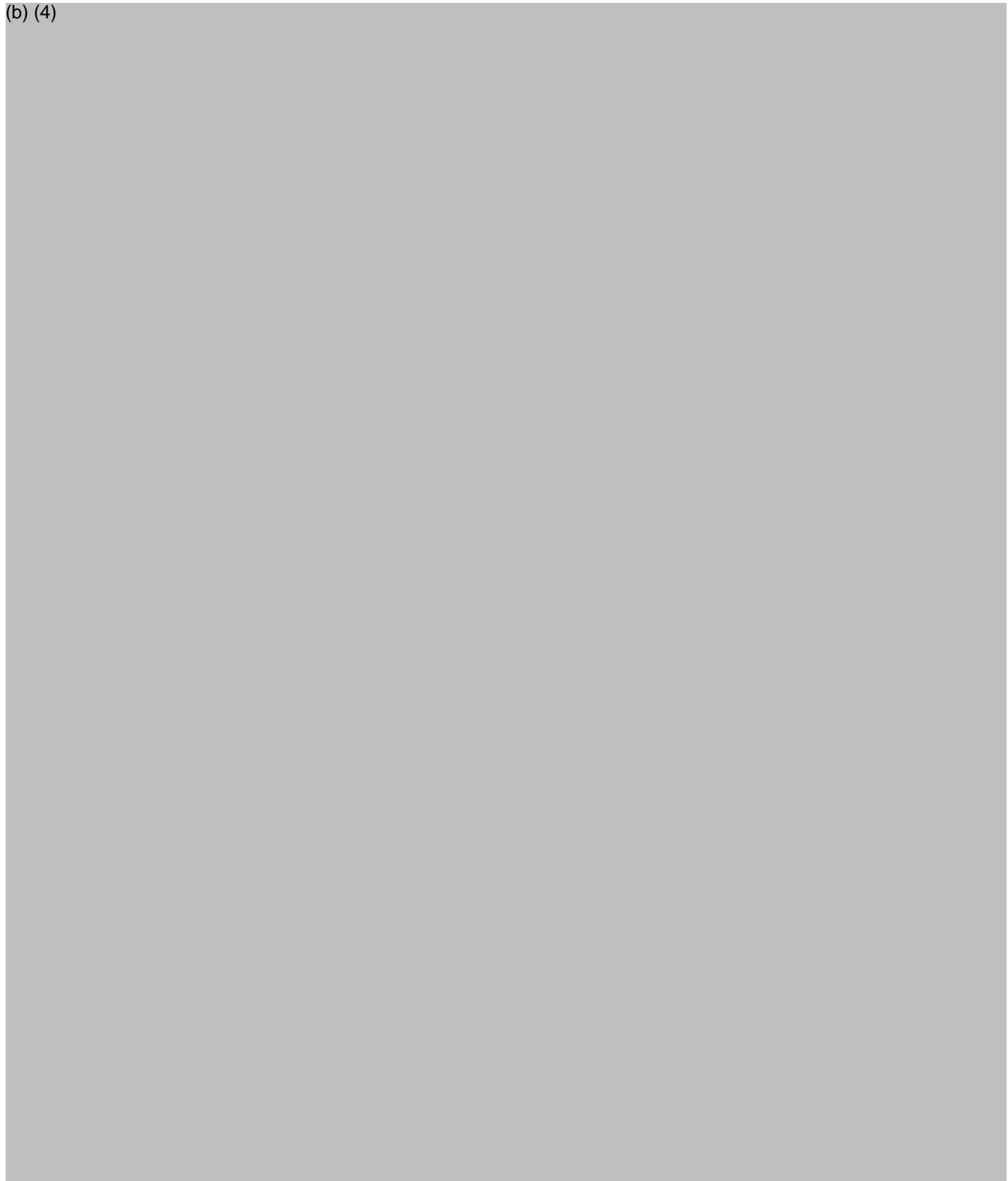
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**Approvals:**

Prepared by:

  
Author

Date: 7/23/14

Approved by:

  
Management - LLI

Date: 7/23/14

Approved by:

  
Quality Assurance - LLI


Date: 07/23/14

Approved by:

  
ASM Management - RJRT

Date: 07/23/14

Approved by:


  
Quality Assurance - LLI Document Control

Date: 07/23/2014

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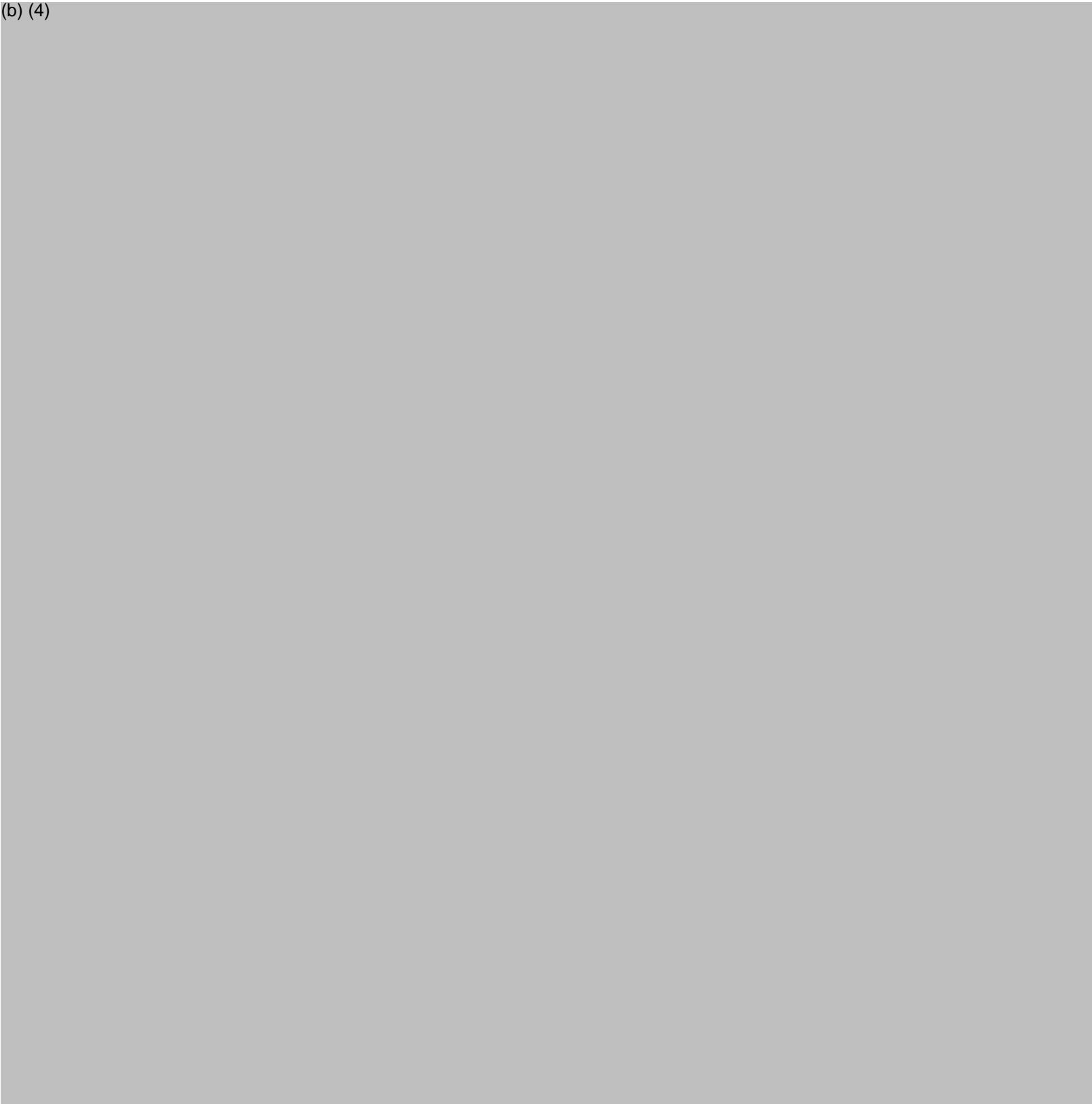
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**Approvals:**

Prepared by:

Author

Date:

Approved by:

Management - LLI

Date:

Approved by:

Quality Assurance – LLI

Date:

Approved by:


ASM Management - RJRT

Date:

Approved by:

Quality Assurance – LLI Document Control

Date:

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**RJReynolds**

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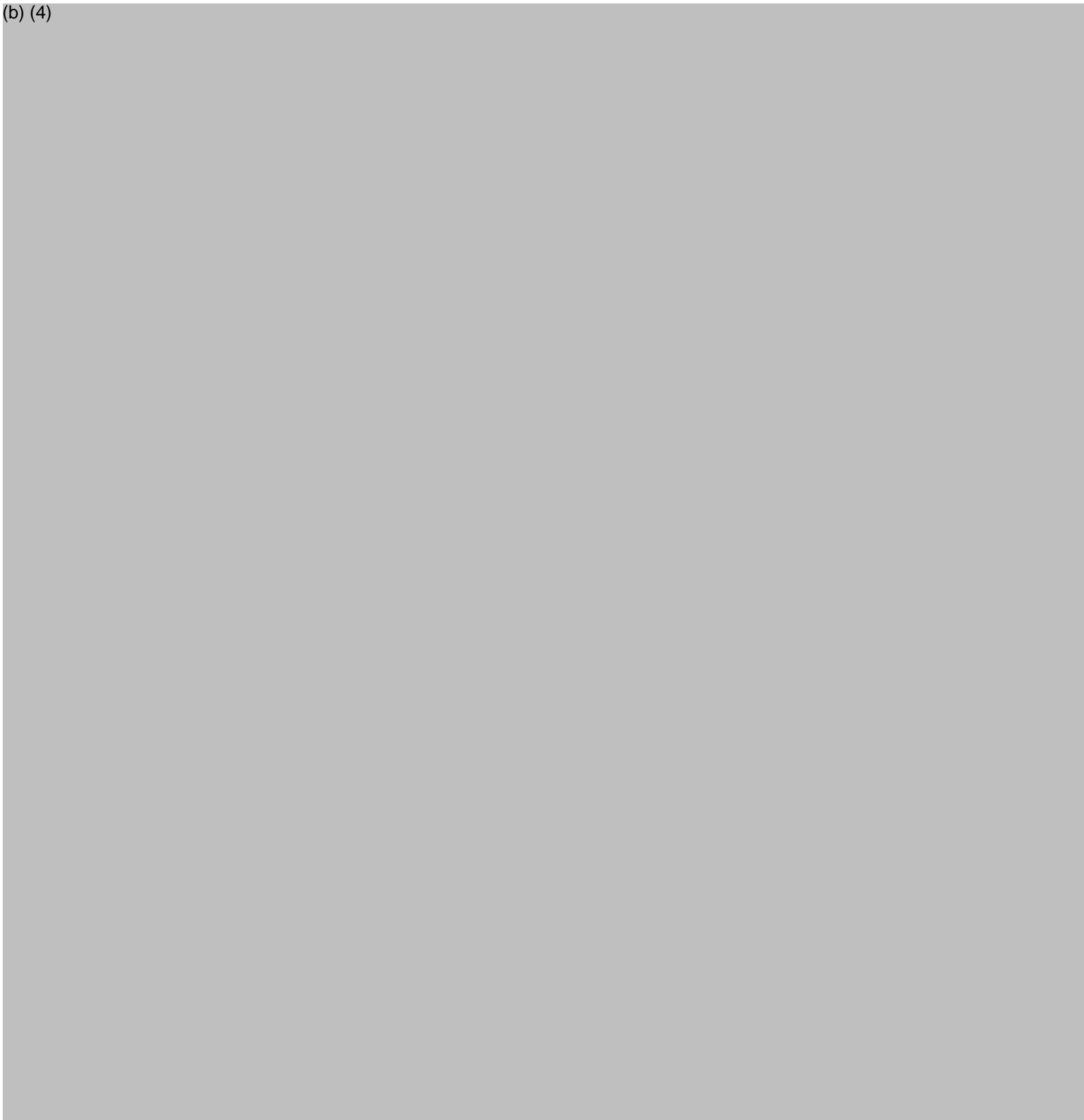
**Standard Operating Procedure for the Determination of  
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Date Issued: 05/02/2014

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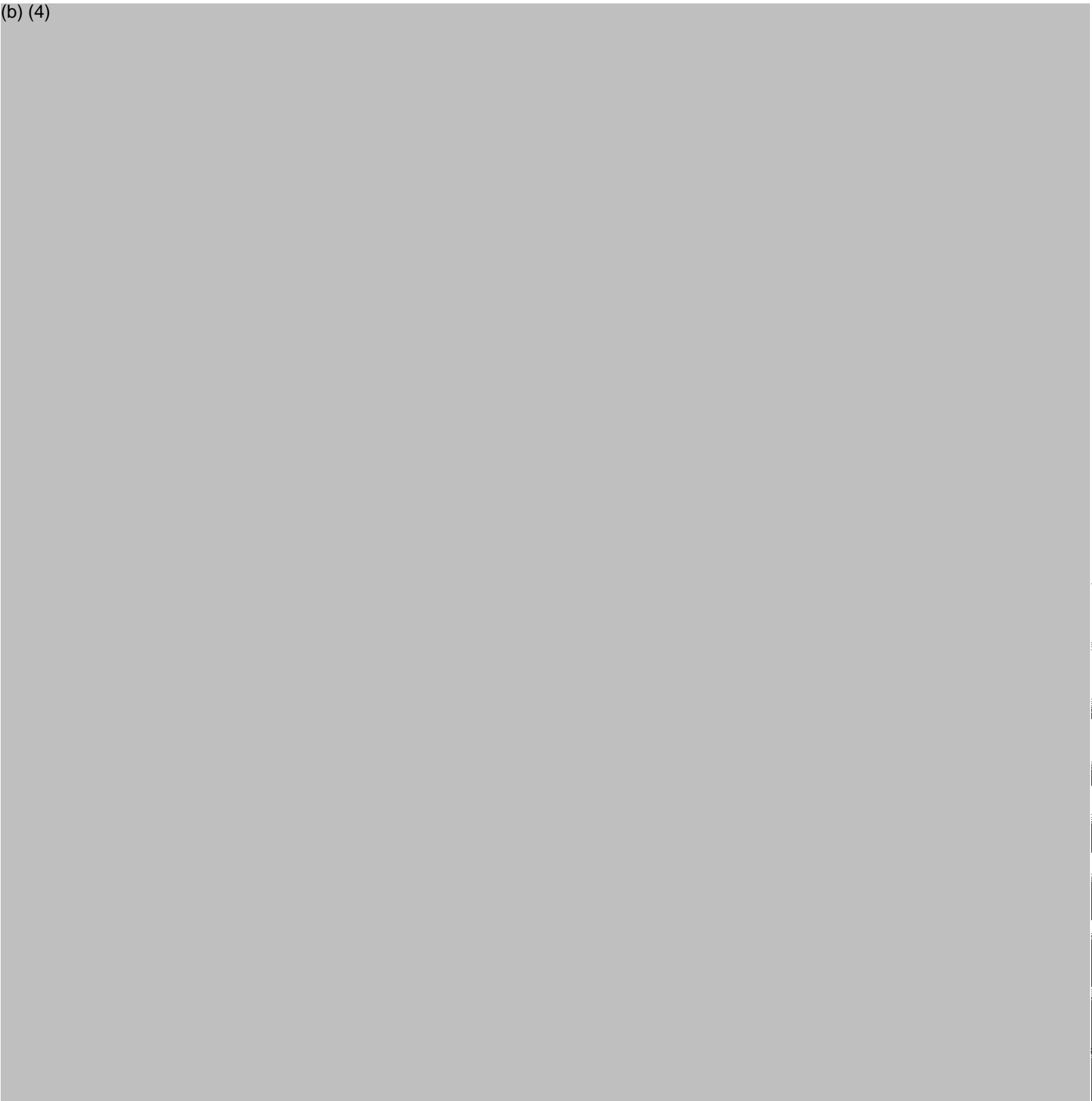


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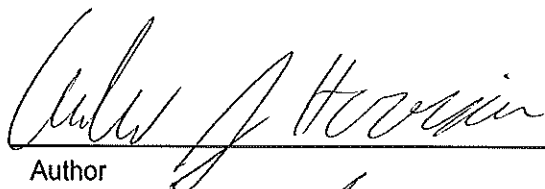


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**Approvals:**

Prepared by:

  
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Author

Date:

10/1/13

Approved by:

  
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Management - LLI

Date:

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Approved by:

  
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Quality Assurance - LLI

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10/01/13

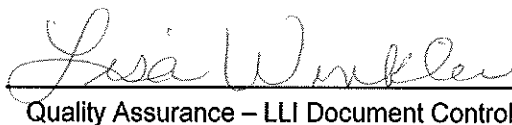
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Quality Assurance - LLI Document Control

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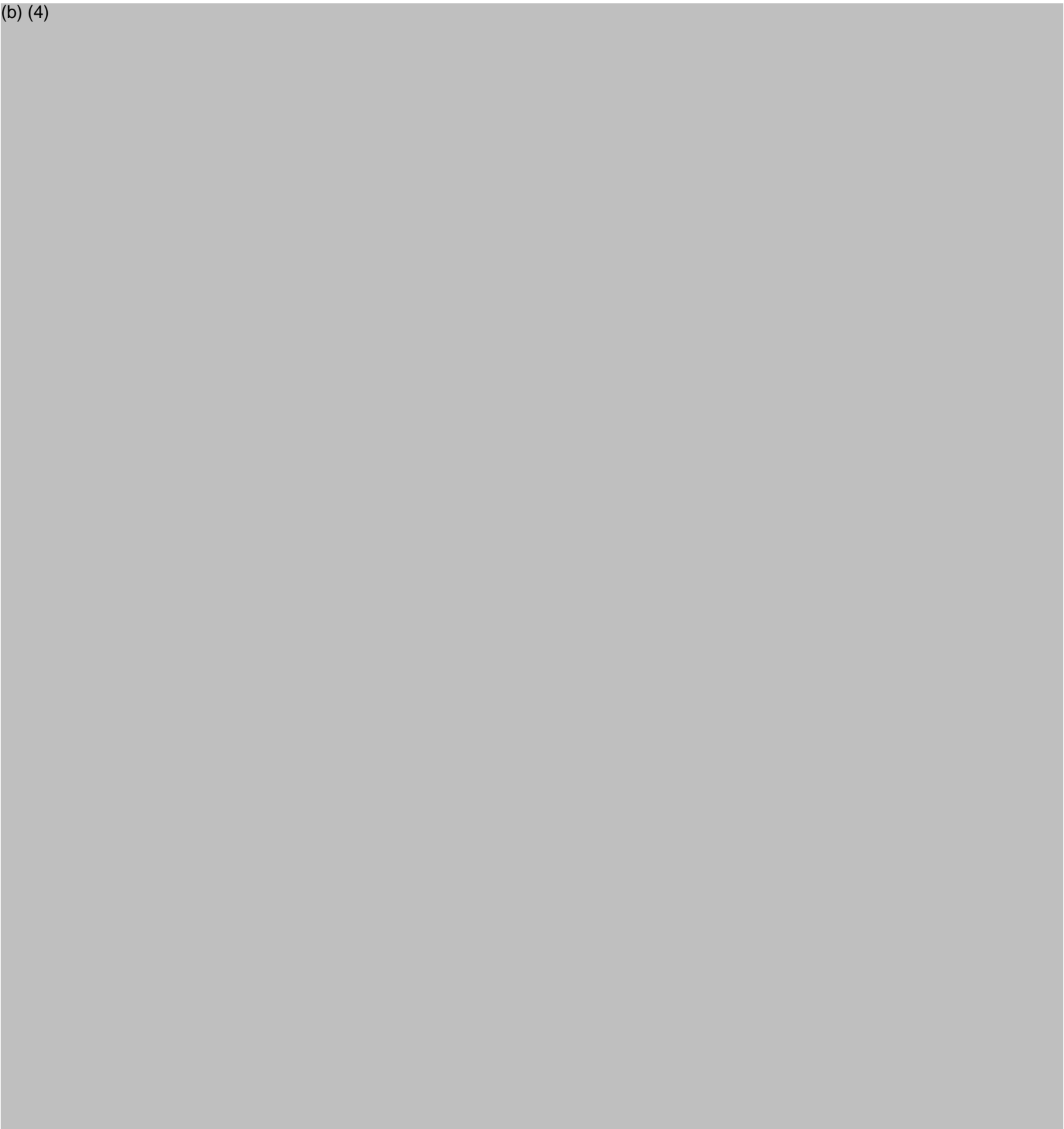


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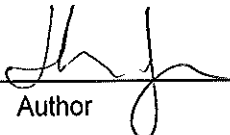
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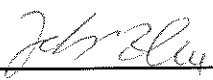


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**Approvals:**

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Approved by:   
Management - LLI

Date: 6/3/13

Approved by:   
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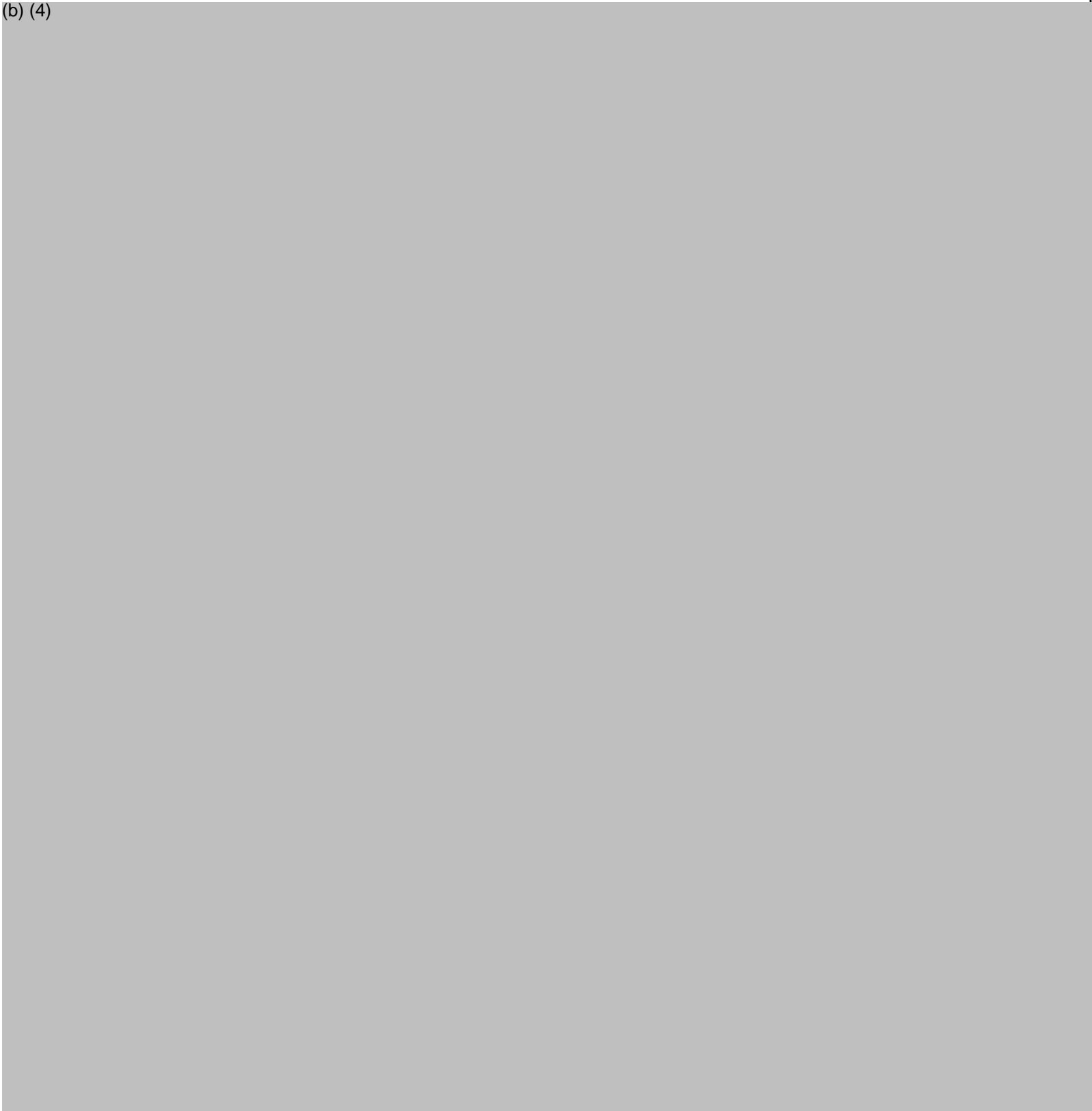
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Quality Assurance - LLI

Date: 06/03/13

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Date Issued: 02/06/2013

Date Revised: 02/06/2013

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**Approvals:**

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Author

Date: 02/06/13

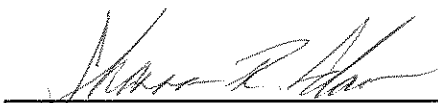
Approved by:



Management - LLI

Date: 2-6-13

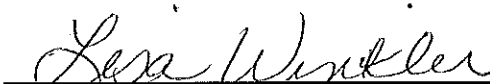
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Date: 02/06/13

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**Approvals:**

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**Title:** Carbonyls in Tobacco Materials

**Effective Date:** 10/29/2015

**Document No.:** RJRT-WI-004219

**Revision Level:** 009

**Author:** Tracy M. Hefner

**Status:** CURRENT

**Release Review and Approval**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	10/16/2015 16:32
RJRT-AUTHOR	Tracy M. Hefner	Sr Technician	HEFNERT	10/16/2015 16:56
RJRT-RELEASE APPROVER	Jannell M. Rowe	Dir Product Services	ROWEJ	10/22/2015 14:49
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	10/22/2015 15:54

**Periodic Review**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
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**Reason for Revision**

Updated to current documentation practices. Changed title of WI. Changed company name. Updated for current method practices.

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**Title:** Determination of Carbonyl Compounds in  
Tobacco and Tobacco Products

**Effective Date:** 3/17/2015

**Document No.:** RJRT-WI-004219

**Revision Level:** 008

**Author:** Keith J Green

**Status:** EXPIRED

### **Release Review and Approval**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	03/02/2015 17:38
RJRT-AUTHOR	Keith J Green	Scientist IV	GREENK1	03/03/2015 20:00
RJRT-RELEASE APPROVER	Jannell M. Rowe	Dir Product Services	ROWEJ	03/04/2015 12:24
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	03/04/2015 13:32

### **Periodic Review**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
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### **Reason for Revision**

New template

Title: Determination of Carbonyl Compounds in Tobacco and Tobacco Products	Effective Date: 3/17/2015
Document #: RJRT-WI-004219	Revision: 008

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Title: Determination of Carbonyl Compounds in Tobacco and Tobacco Products	Effective Date: 3/17/2015
Document #: RJRT-WI-004219	Revision: 008

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Title: Determination of Carbonyl Compounds in Tobacco and Tobacco Products	Effective Date: 3/17/2015
Document #: RJRT-WI-004219	Revision: 008

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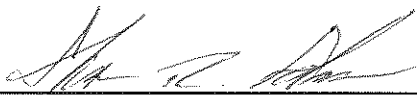
**Approvals:**

Prepared by:   
Author


Date: 8/26/14

Approved by:   
Management - LLI

Date: 8/26/14

Approved by:   
Quality Assurance - LLI

Date: 8/26/14

Approved by:   
ASM Management - RJRT

Date: 08/26/2014

Approved by:   
Quality Assurance - LLI Document Control

Date: 08/26/2014

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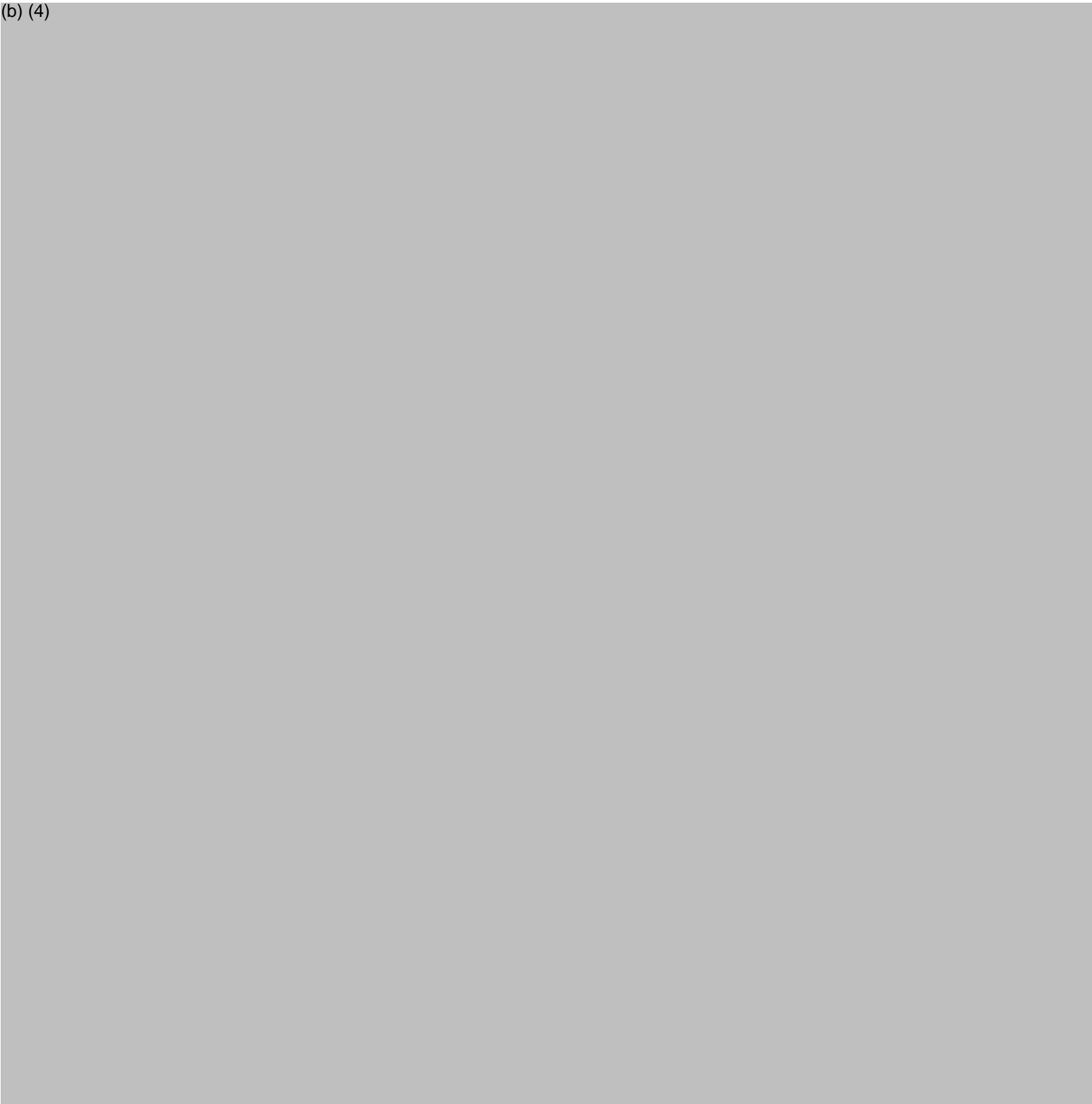
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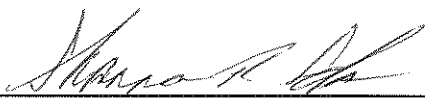


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Approved by:  Date: 03/12/14  
Quality Assurance - LLI

Approved by:  Date: 03/12/2014  
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Approved by:  Date: 03/12/2014  
Quality Assurance - LLI Document Control

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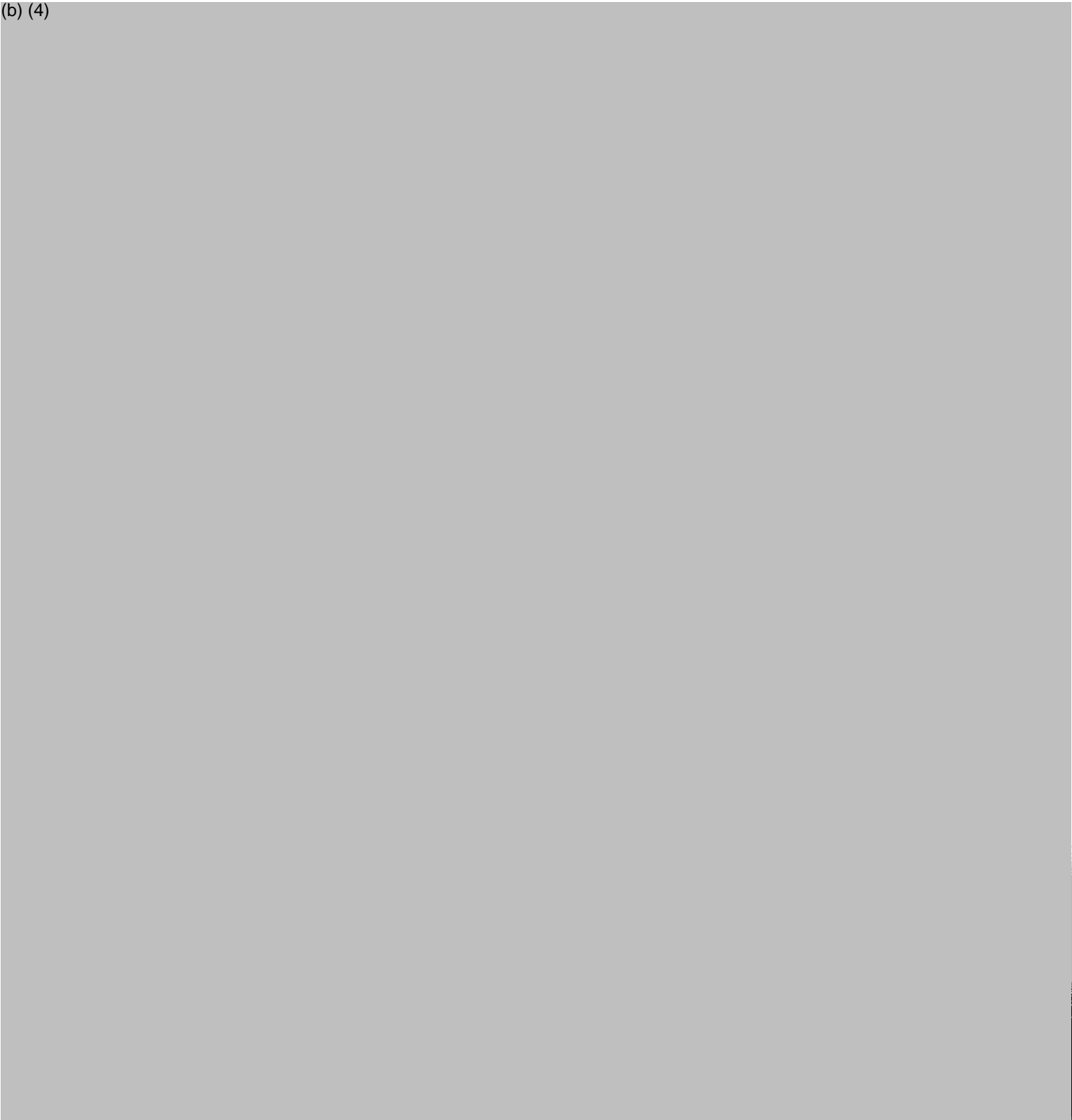


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Date:

6-19-12

Approved by:

[Signature]  
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Date:

6/19/12

Approved by:

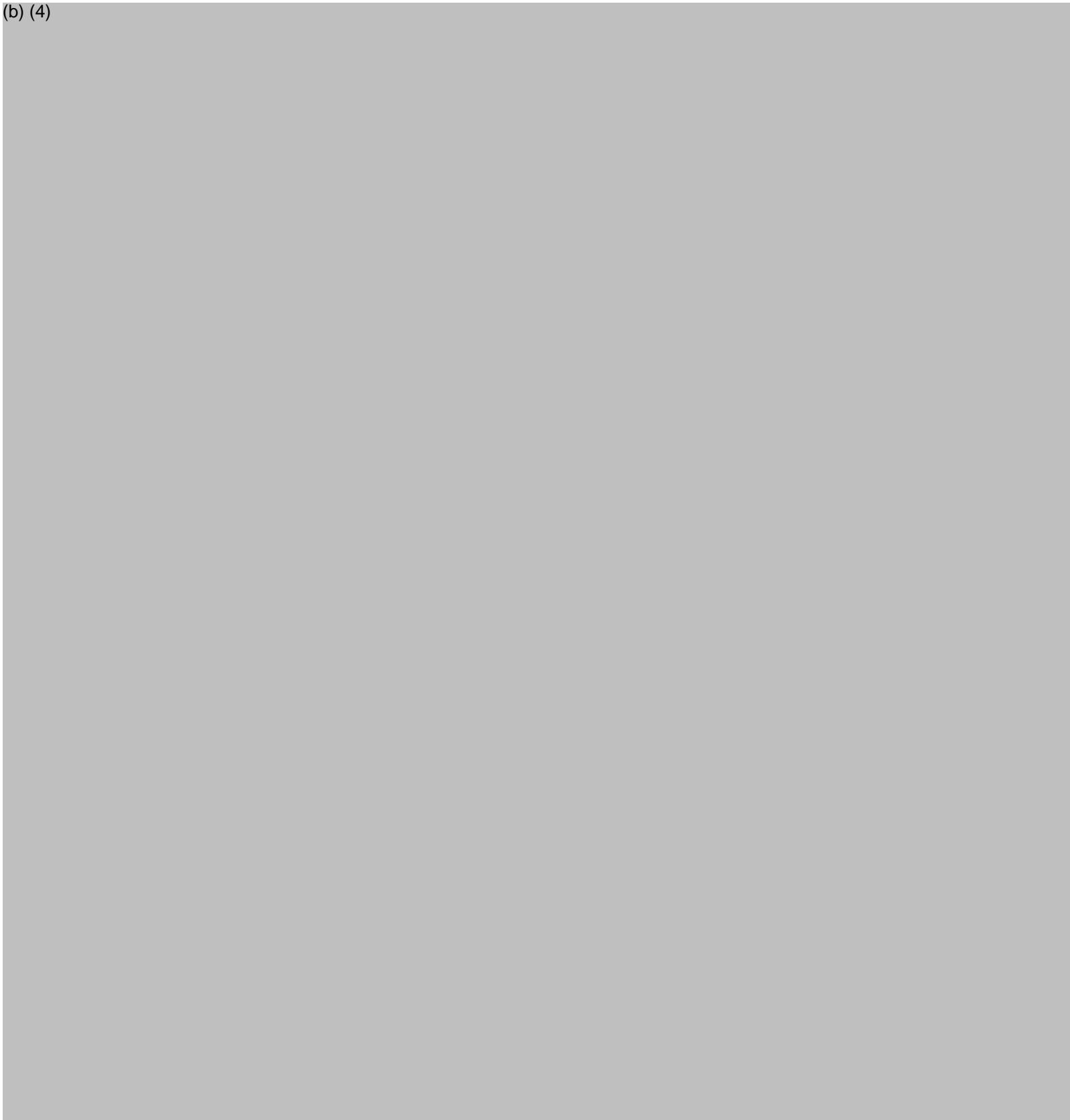
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Quality Assurance - LLI

Date:

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**Title:** Analysis of TSNA by LC-MS-MS

**Effective Date:** 3/15/2016

**Document No.:** RJRT-WI-004216

**Revision Level:** 014

**Author:** Keith J Green

**Status:** CURRENT

**Release Review and Approval**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
DOCUMENT COORDINATOR	Tracy M. Hefner	Sr Technician	HEFNERT	03/04/2016 20:24
RJRT-AUTHOR	Keith J Green	Scientist IV	GREENK1	03/08/2016 23:14
RJRT-RELEASE APPROVER	Jannell M. Rowe	Dir Product Services	ROWEJ	03/09/2016 15:21
DOCUMENT COORDINATOR	Tracy M. Hefner	Sr Technician	HEFNERT	03/09/2016 15:41

**Periodic Review**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
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**Reason for Revision**

Updated to current documentation practices. Changed title of WI. Changed company name. Updated for current method practices.

Title: Analysis of TSNA by LC-MS-MS	Effective Date: 3/15/2016
Document #: RJRT-WI-004216	Revision: 014

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**Title:** Determination of Tobacco Specific  
Nitrosamines by HPLC-MS-MS

**Effective Date:** 3/17/2015

**Document No.:** RJRT-WI-004216

**Revision Level:** 013

**Author:** Keith J Green

**Status:** EXPIRED

### **Release Review and Approval**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	03/02/2015 17:39
RJRT-AUTHOR	Keith J Green	Scientist IV	GREENK1	03/03/2015 20:10
RJRT-RELEASE APPROVER	Jannell M. Rowe	Dir Product Services	ROWEJ	03/04/2015 12:24
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	03/04/2015 13:32

### **Periodic Review**

<b><u>Role</u></b>	<b><u>Actor</u></b>	<b><u>Title</u></b>	<b><u>Sign-off By</u></b>	<b><u>Sign-Off Date &amp; Time(GMT)</u></b>
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### **Reason for Revision**

New template

Title: Determination of Tobacco Specific Nitrosamines by HPLC-MS-MS	Effective Date: 3/17/2015
Document #: RJRT-WI-004216	Revision: 013

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Title: Determination of Tobacco Specific Nitrosamines by HPLC-MS-MS	Effective Date: 3/17/2015
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**Quantitative Determination of Tobacco Specific Nitrosamines by High Performance  
Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS-MS)**

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**Quantitative Determination of Tobacco Specific  
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Chromatography Tandem Mass Spectrometry  
(HPLC-MS-MS)**




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Date: 08/28/14

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Date: 08/28/2014

Approved by:   
Quality Assurance - LLI Document Control

Date: 08/28/2014

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**Quantitative Determination of Tobacco Specific  
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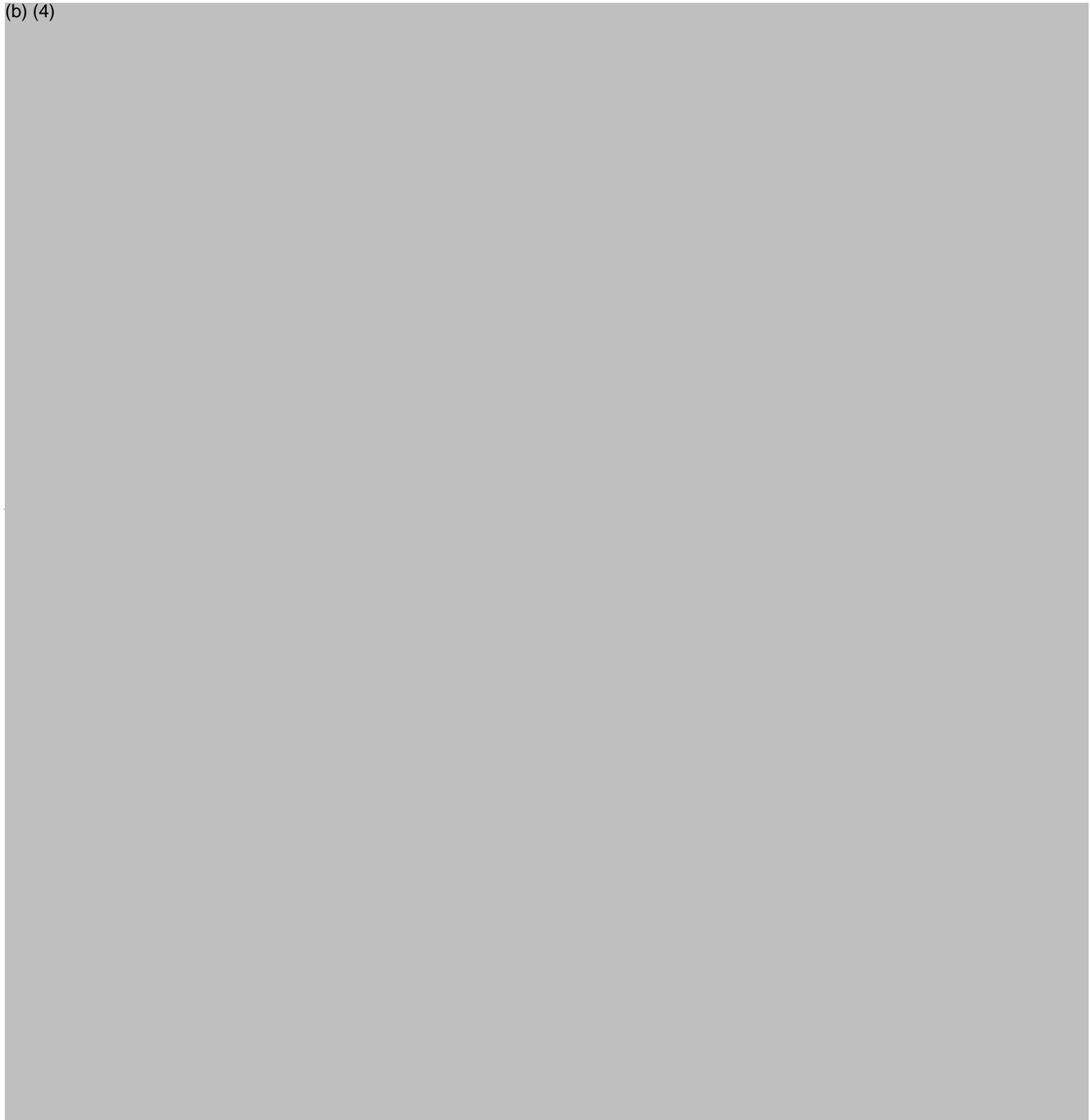
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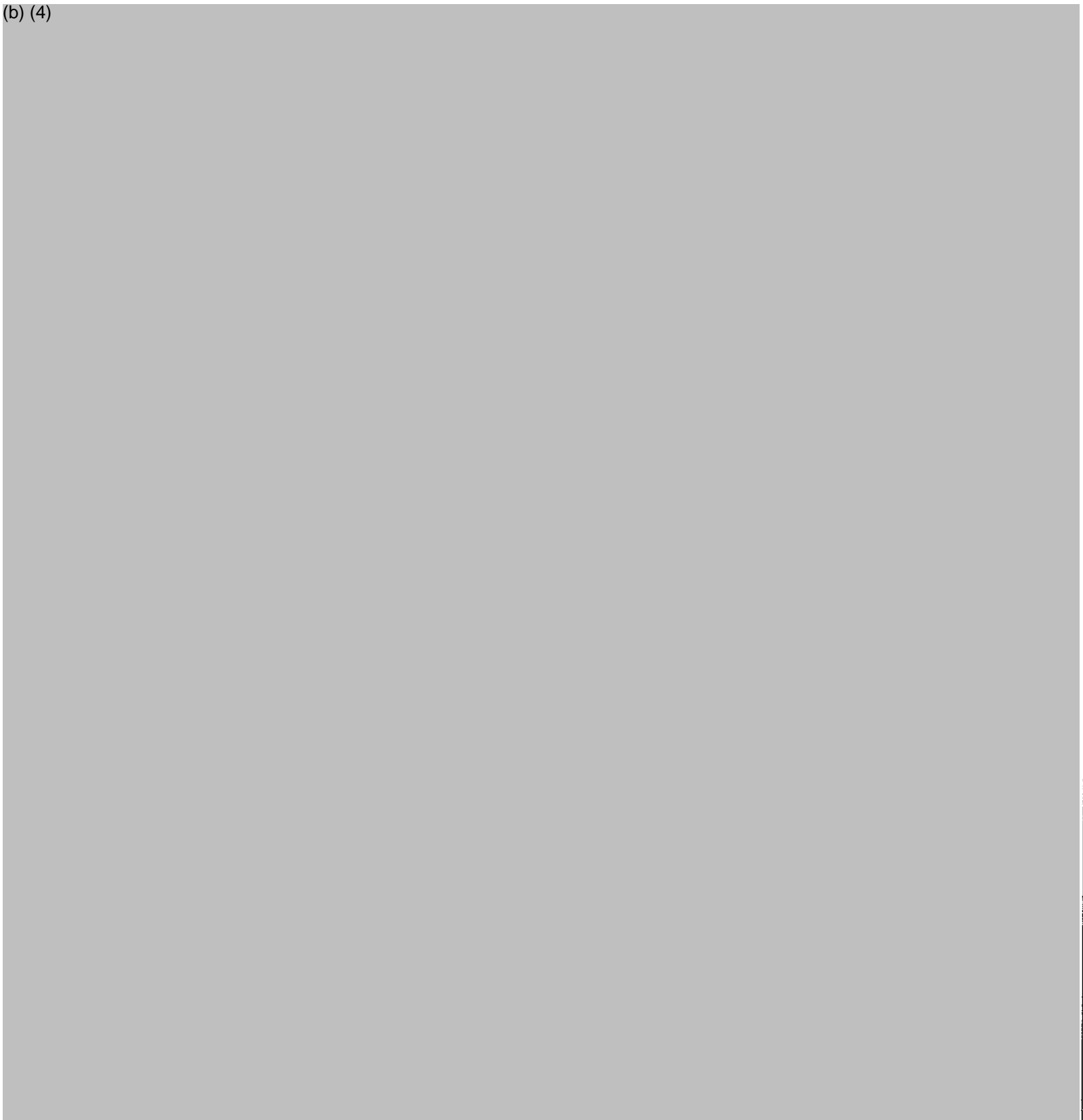
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Date: 2/12/14

Approved by: [Signature]  
Quality Assurance - LLI

Date: 02/12/14

Approved by: Jannell M. Rave  
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Date: 02/12/2014

Approved by: Lisa Winkler  
Quality Assurance - LLI Document Control

Date: 02/12/2014



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D. Ammonium Acetate HPLC Grade, 97 % or above (CAGP 001-01-0)

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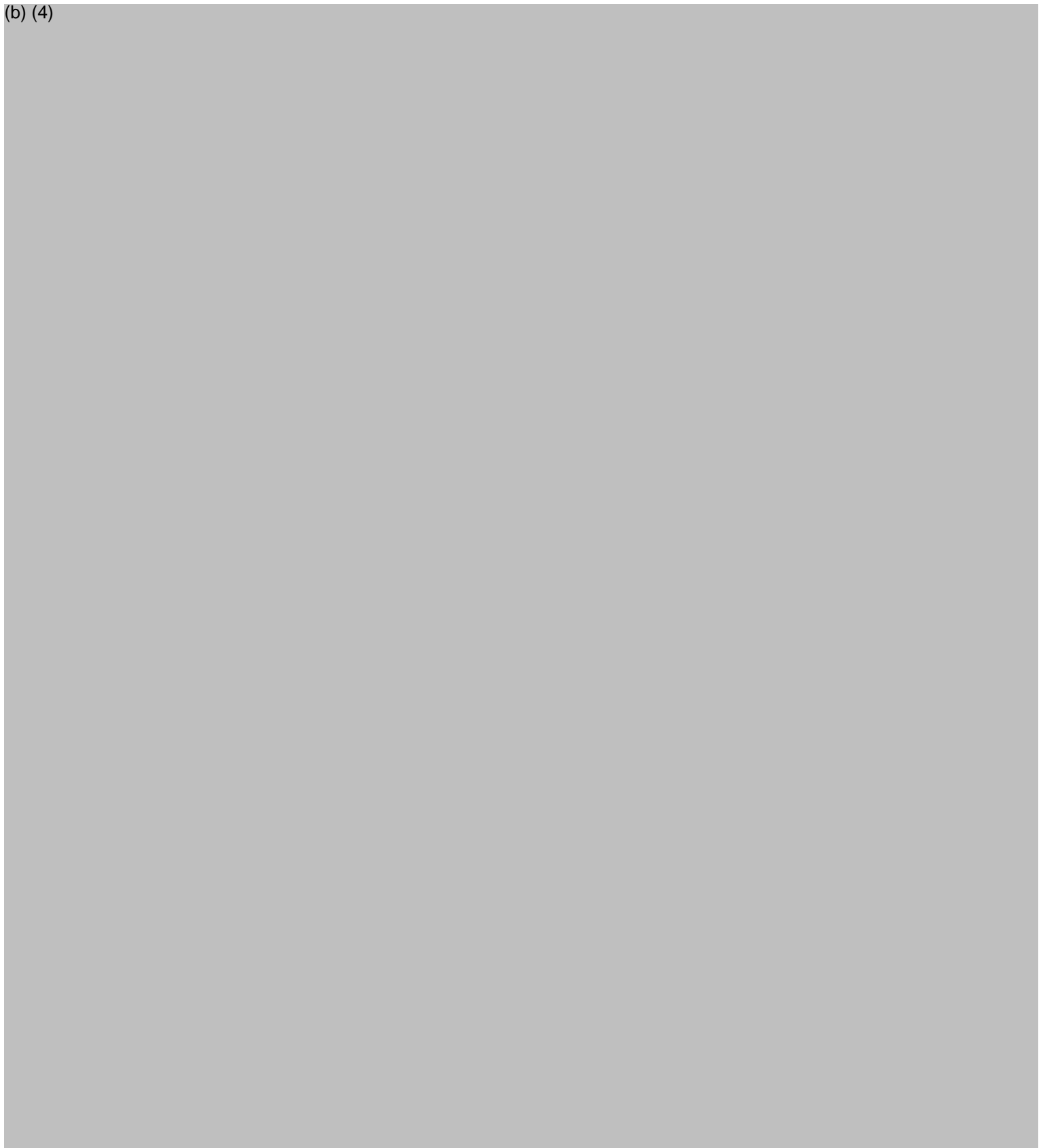
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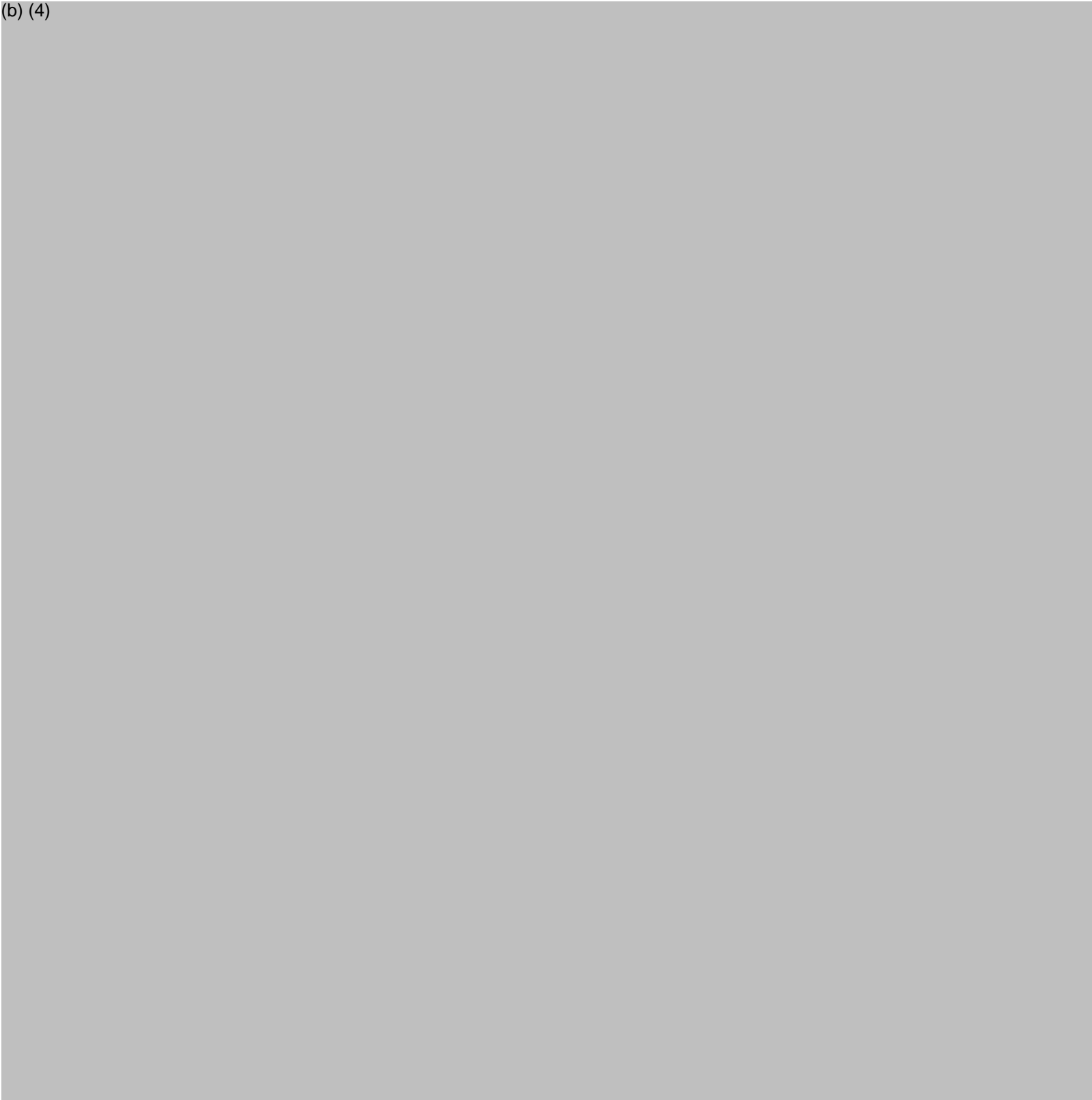
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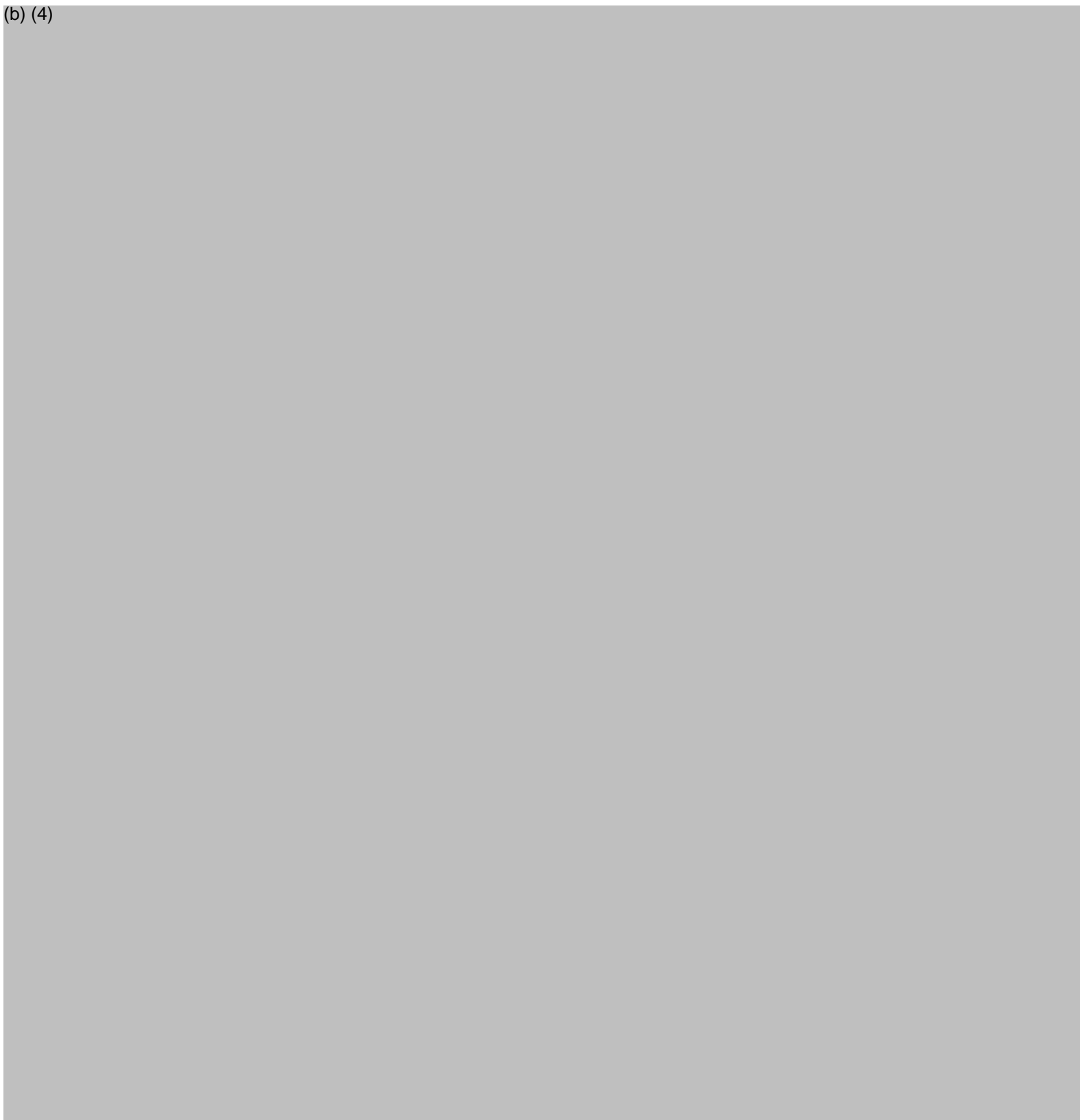
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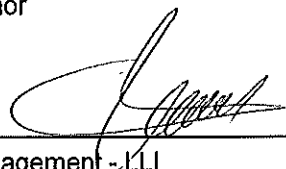


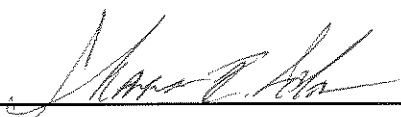
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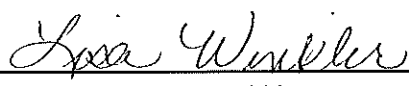
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Approved by:  Date: 5/15/13  
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Approved by:  Date: 05/15/13  
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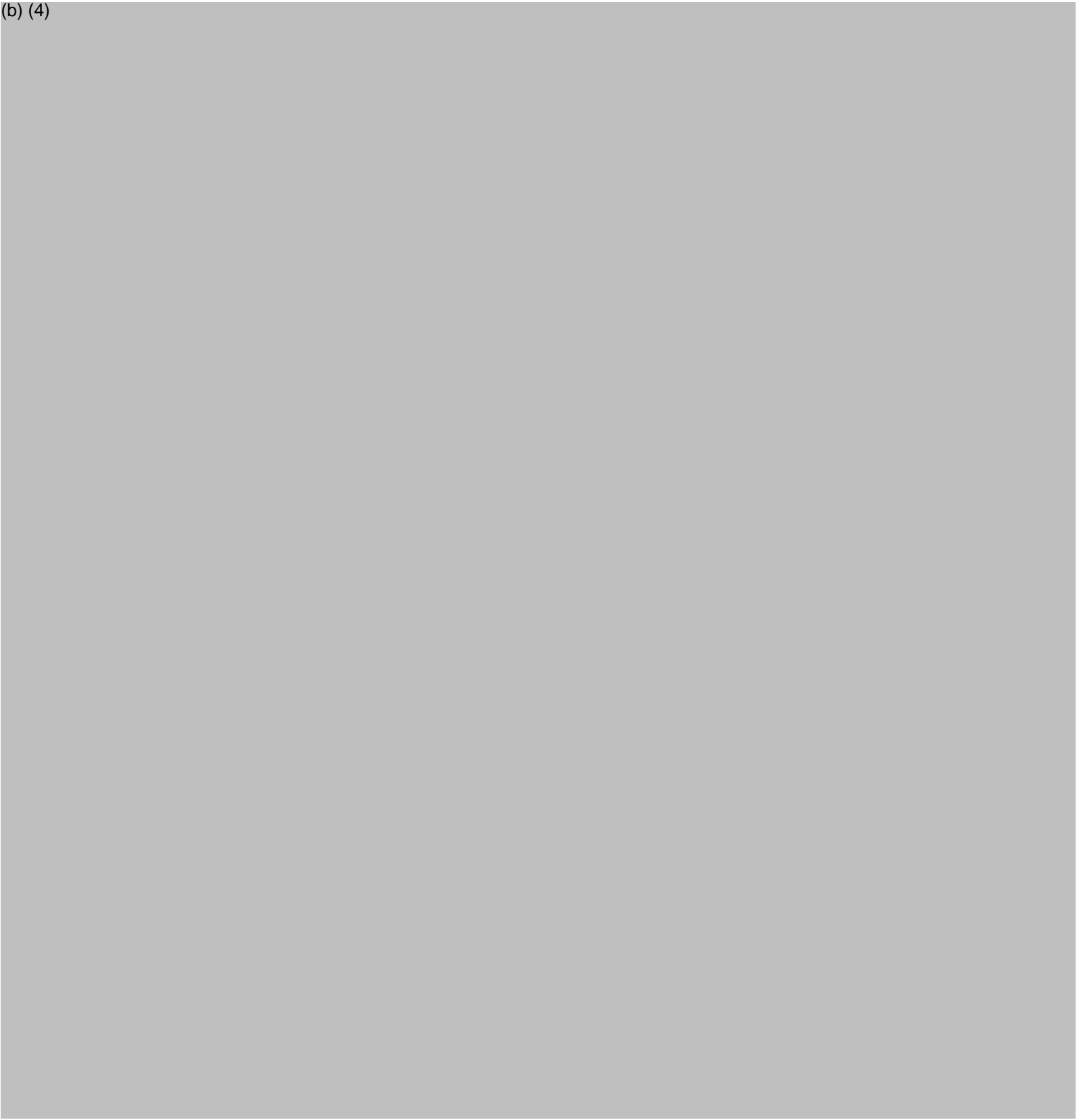
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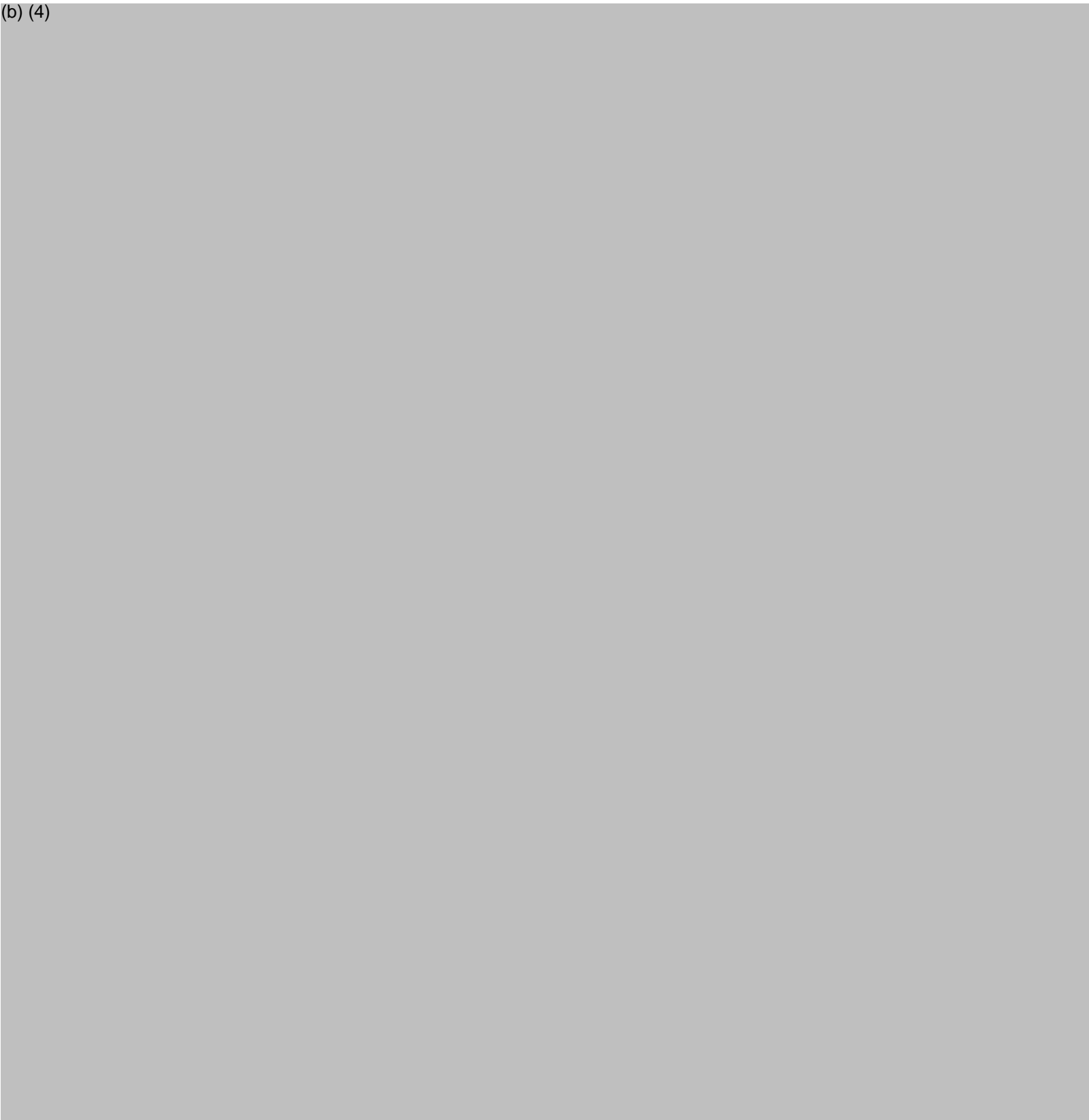
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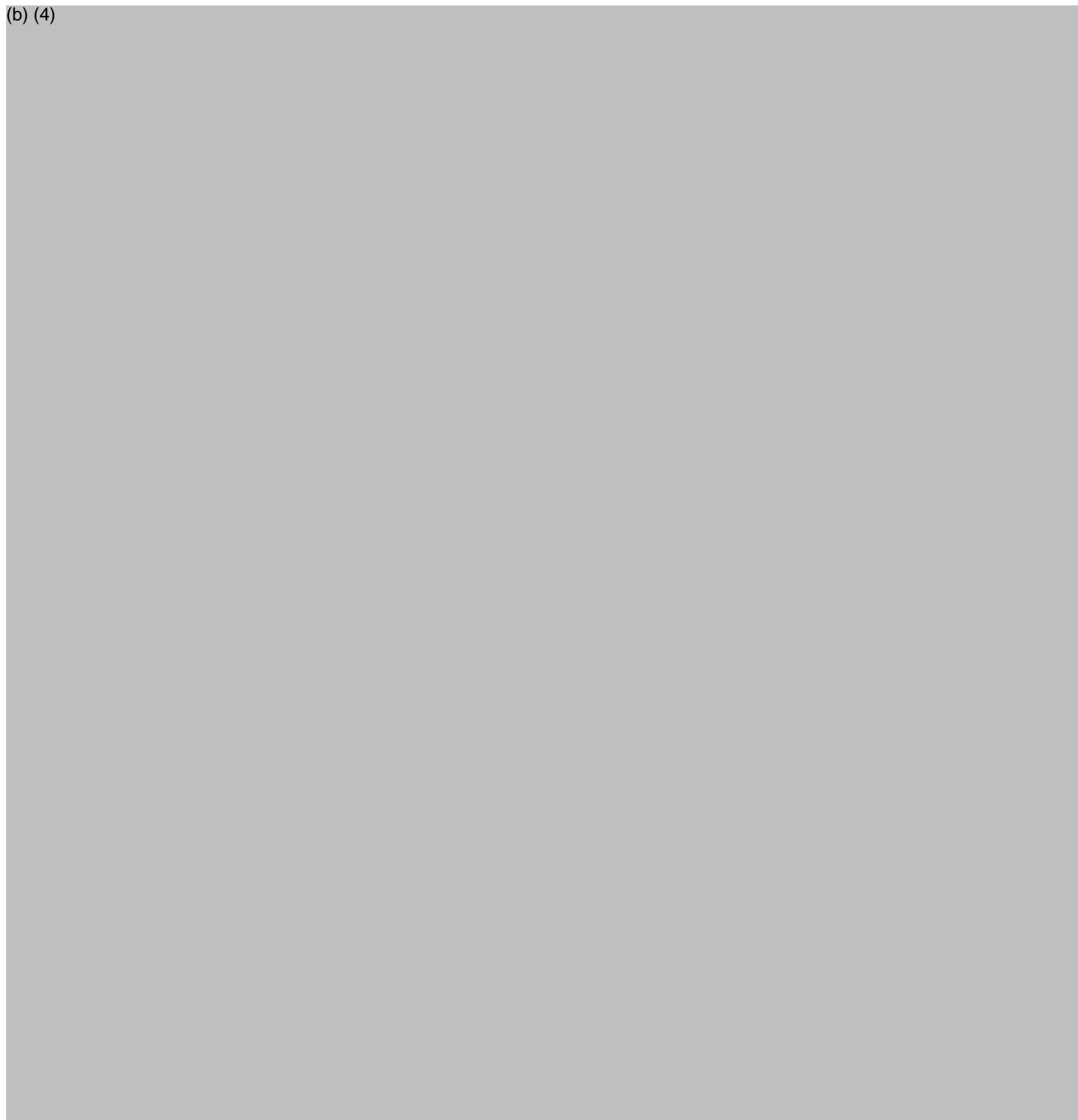
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<p>page 28 of 36</p>	<p><b>Quantitative Determination of Tobacco Specific Nitrosamines by High Performance Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS-MS)</b></p> 	<p>Doc: ACD1101-3STM Rev: 8 Date Issued: 02/15/2010 Date Revised: 01/20/2012</p>
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<p>page 30 of 36</p>	<p><b>Quantitative Determination of Tobacco Specific Nitrosamines by High Performance Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS-MS)</b></p> 	<p>Doc: ACD1101-3STM Rev: 8 Date Issued: 02/15/2010 Date Revised: 01/20/2012</p>
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**Quantitative Determination of Tobacco Specific  
Nitrosamines by High Performance Liquid  
Chromatography Tandem Mass Spectrometry  
(HPLC-MS-MS)**



Doc: ACD1101-3STM  
Rev: 8  
Date Issued: 02/15/2010  
Date Revised: 01/20/2012

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**Quantitative Determination of Tobacco Specific  
Nitrosamines by High Performance Liquid  
Chromatography Tandem Mass Spectrometry  
(HPLC-MS-MS)**




Doc: ACD1101-3STM  
Rev: 8  
Date Issued: 02/15/2010  
Date Revised: 01/20/2012



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page 35 of 36	<b>Quantitative Determination of Tobacco Specific Nitrosamines by High Performance Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS-MS)</b>  <i>RJReynolds</i>	Doc: ACD1101-3STM Rev: 8 Date Issued: 02/15/2010 Date Revised: 01/20/2012
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**Title:** pH in Tobacco

**Effective Date:** 2/18/2016

**Document No.:** RJRT-WI-004089

**Revision Level:** 016

**Author:** Keith J Green

**Status:** CURRENT

**Release Review and Approval**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
DOCUMENT COORDINATOR	Tracy M. Hefner	Sr Technician	HEFNERT	02/02/2016 19:34
RJRT-AUTHOR	Keith J Green	Scientist IV	GREENK1	02/02/2016 20:58
RJRT-RELEASE APPROVER	Jannell M. Rowe	Dir Product Services	ROWEJ	02/04/2016 12:25
DOCUMENT COORDINATOR	Tracy M. Hefner	Sr Technician	HEFNERT	02/04/2016 14:40

**Periodic Review**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
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**Reason for Revision**

Updated to documentation practice. Changed company name, changed title

Title: pH in Tobacco	Effective Date: 2/18/2016
Document #: RJRT-WI-004089	Revision: 016

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Title: pH in Tobacco	Effective Date: 2/18/2016
Document #: RJRT-WI-004089	Revision: 016

(b) (4)



Title: pH in Tobacco	Effective Date: 2/18/2016
Document #: RJRT-WI-004089	Revision: 016

(b) (4)





Title: pH in Tobacco	Effective Date: 2/18/2016
Document #: RJRT-WI-004089	Revision: 016

(b) (4)



Title: pH in Tobacco	Effective Date: 2/18/2016
Document #: RJRT-WI-004089	Revision: 016

(b) (4)



Title: pH in Tobacco	Effective Date: 2/18/2016
Document #: RJRT-WI-004089	Revision: 016

(b) (4)



Title: pH in Tobacco	Effective Date: 2/18/2016
Document #: RJRT-WI-004089	Revision: 016

(b) (4)



Title: pH in Tobacco	Effective Date: 2/18/2016
Document #: RJRT-WI-004089	Revision: 016

(b) (4)



Title: pH in Tobacco	Effective Date: 2/18/2016
Document #: RJRT-WI-004089	Revision: 016

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**Title:** Determination of pH in Tobacco

**Effective Date:** 3/24/2015

**Document No.:** RJRT-WI-004089

**Revision Level:** 015

**Author:** Candice K Cunningham

**Status:** EXPIRED

**Release Review and Approval**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	03/11/2015 21:17
RJRT-AUTHOR	Candice K Cunningham	Sr Scientist	CUNNINC	03/17/2015 15:59
RJRT-RELEASE APPROVER	Jannell M. Rowe	Dir Product Services	ROWEJ	03/18/2015 11:14
RJRT-DOCUMENT COORDINATOR	Erica R McClung	Scientist III	MCCLUNE	03/18/2015 13:12

**Periodic Review**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
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**Reason for Revision**

New template

Title: Determination of pH in Tobacco	Effective Date: 3/24/2015
Document #: RJRT-WI-004089	Revision: 015

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Title: Determination of pH in Tobacco	Effective Date: 3/24/2015
Document #: RJRT-WI-004089	Revision: 015

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Title: Determination of pH in Tobacco	Effective Date: 3/24/2015
Document #: RJRT-WI-004089	Revision: 015

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Title: Determination of pH in Tobacco	Effective Date: 3/24/2015
Document #: RJRT-WI-004089	Revision: 015

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Document #: RJRT-WI-004089	Revision: 015

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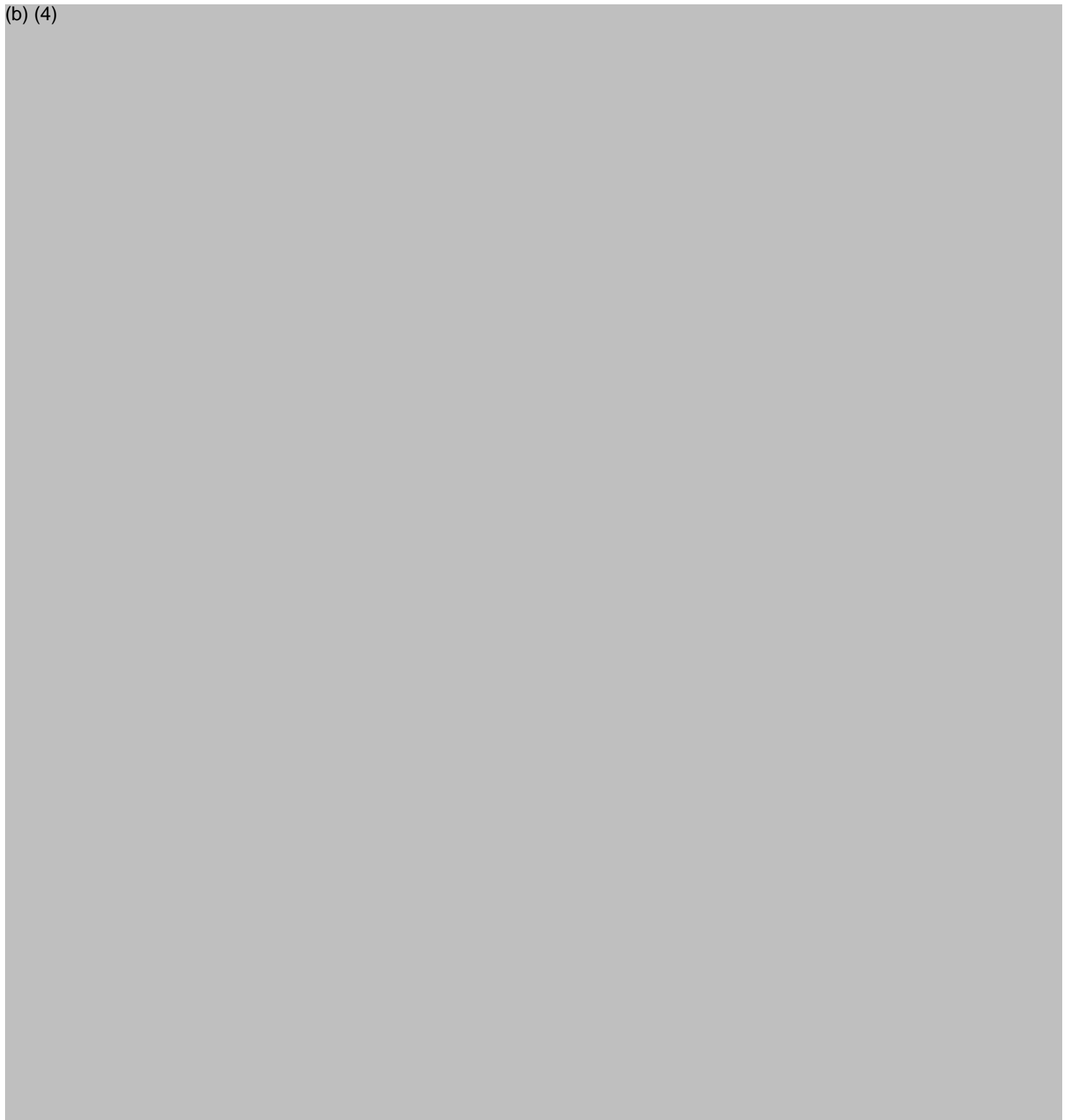
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**Determination of pH in Tobacco**

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**Approvals:**

Prepared by: Long Lerley / Justin Anderson Date: 7/23/14 7/23/14  
Title of Author

Approved by: Dud C. [Signature] Date: 7-23-14  
Management - LLI

Approved by: [Signature] Date: 07/23/14  
Quality Assurance - LLI

Approved by: Candice [Signature] Date: 7-23-2014  
ASM Management - RJRT

Approved by: Lisa Winkler Date: 07/23/2014  
Quality Assurance - LLI Document Control

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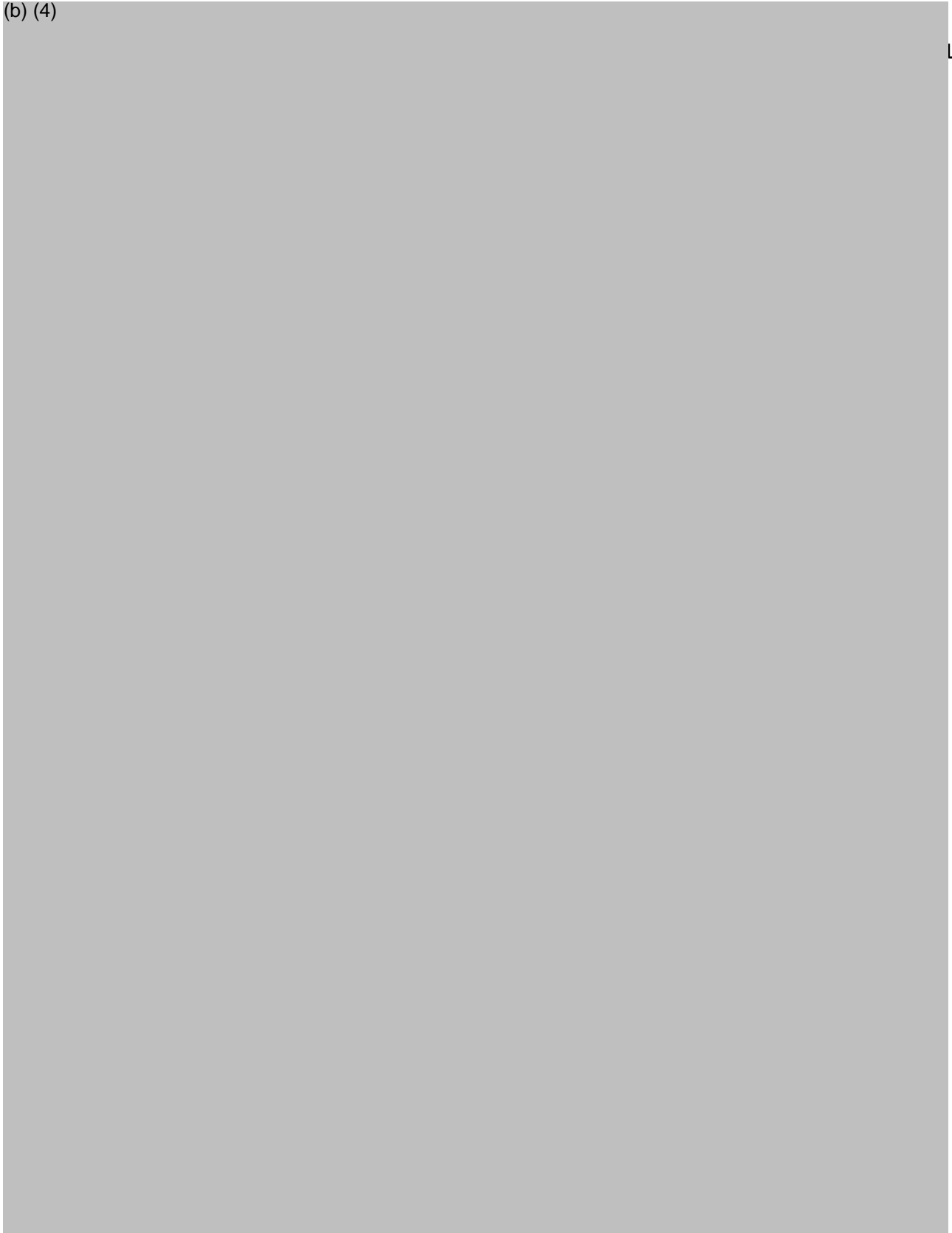
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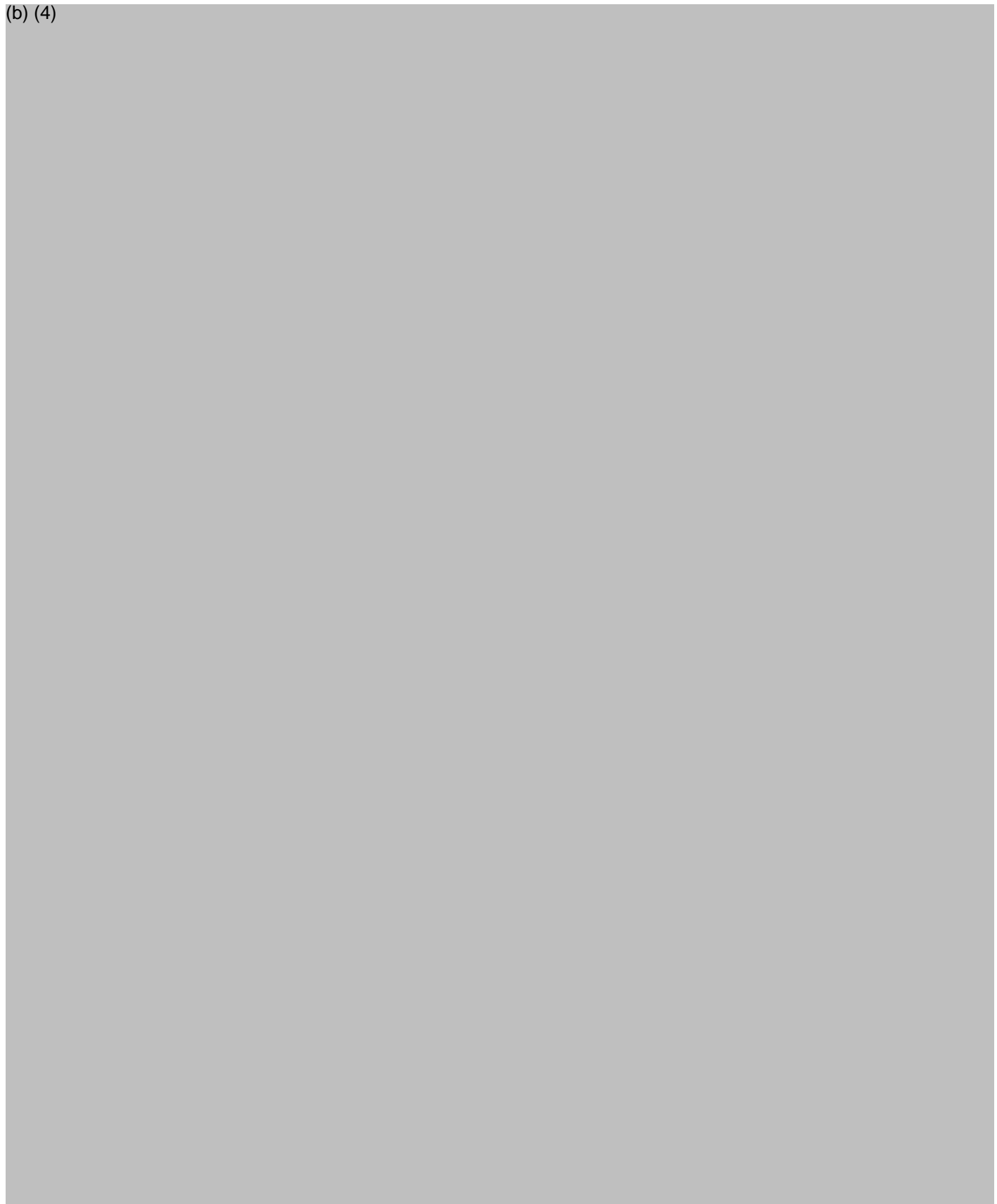


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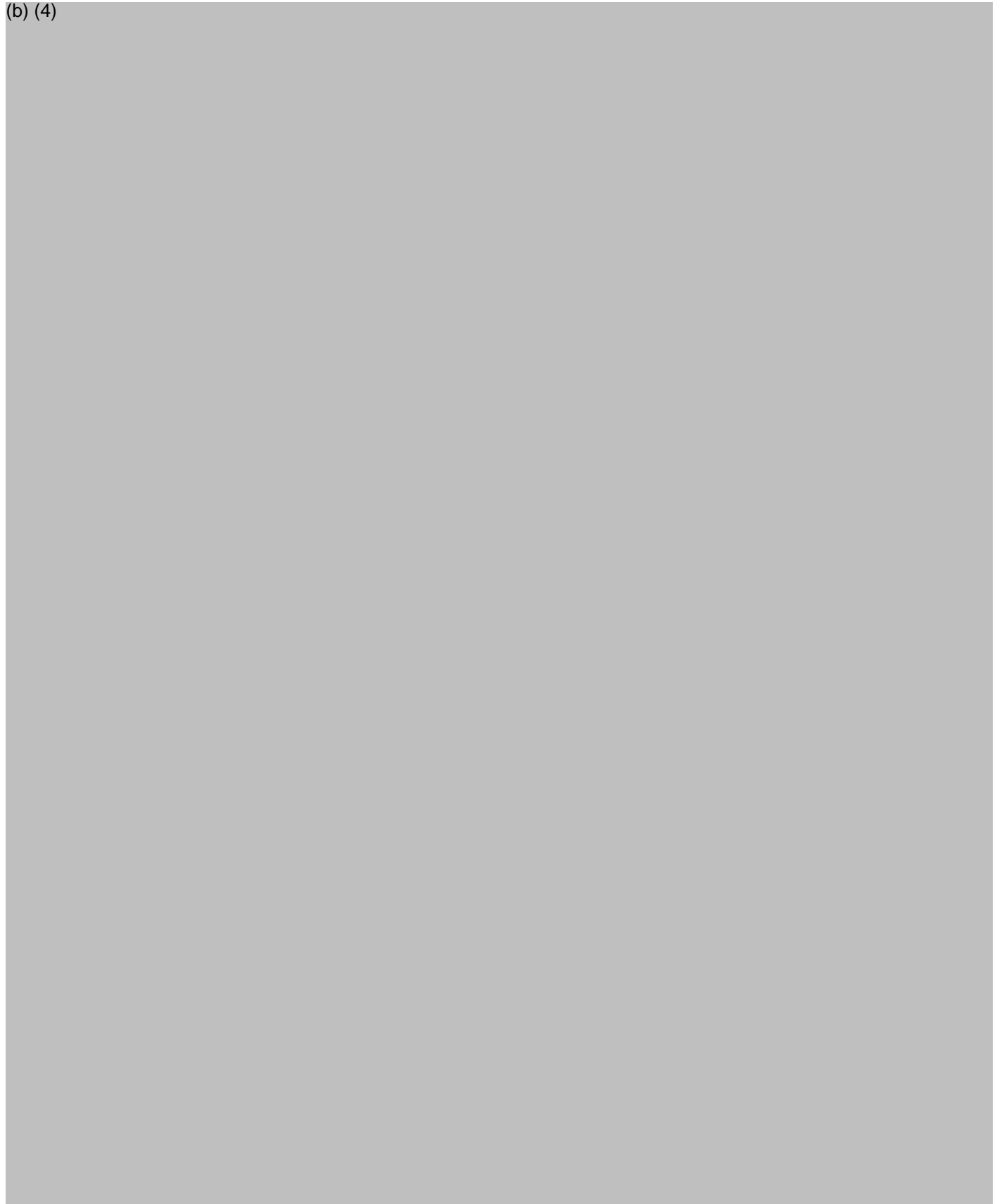
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**Level 3 Document**

**Approvals:**

Prepared by:

Author

4-23-13 Date:

Approved by:

Management - LLI

4-27-13 Date:

Approved by:

Quality Officer - LLI

04/23/13 Date:

Approved by:

Quality Assurance - LLI

4/23/13 Date:

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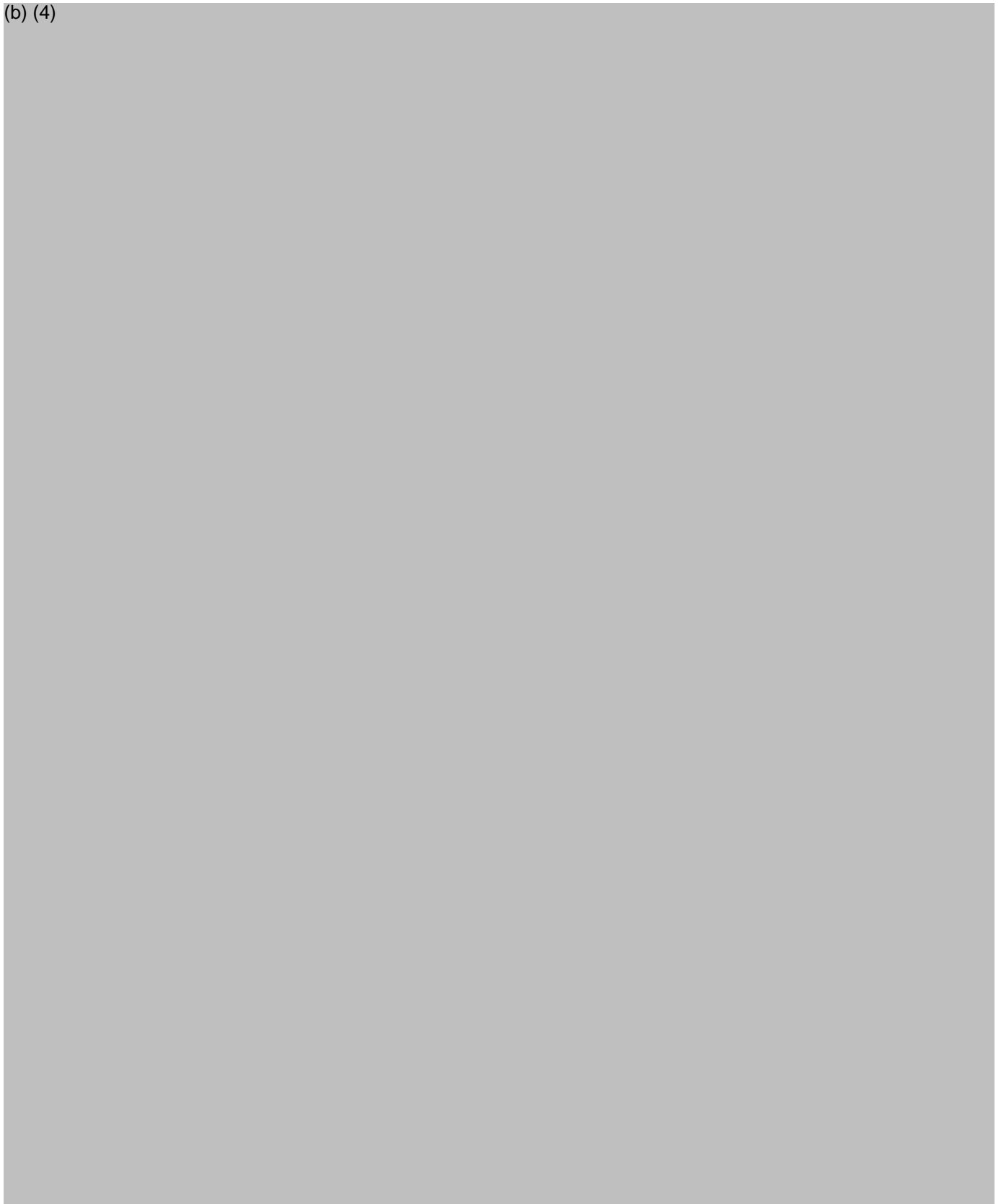
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Date Issued: 04/23/2013

Date Revised: 04/23/2013

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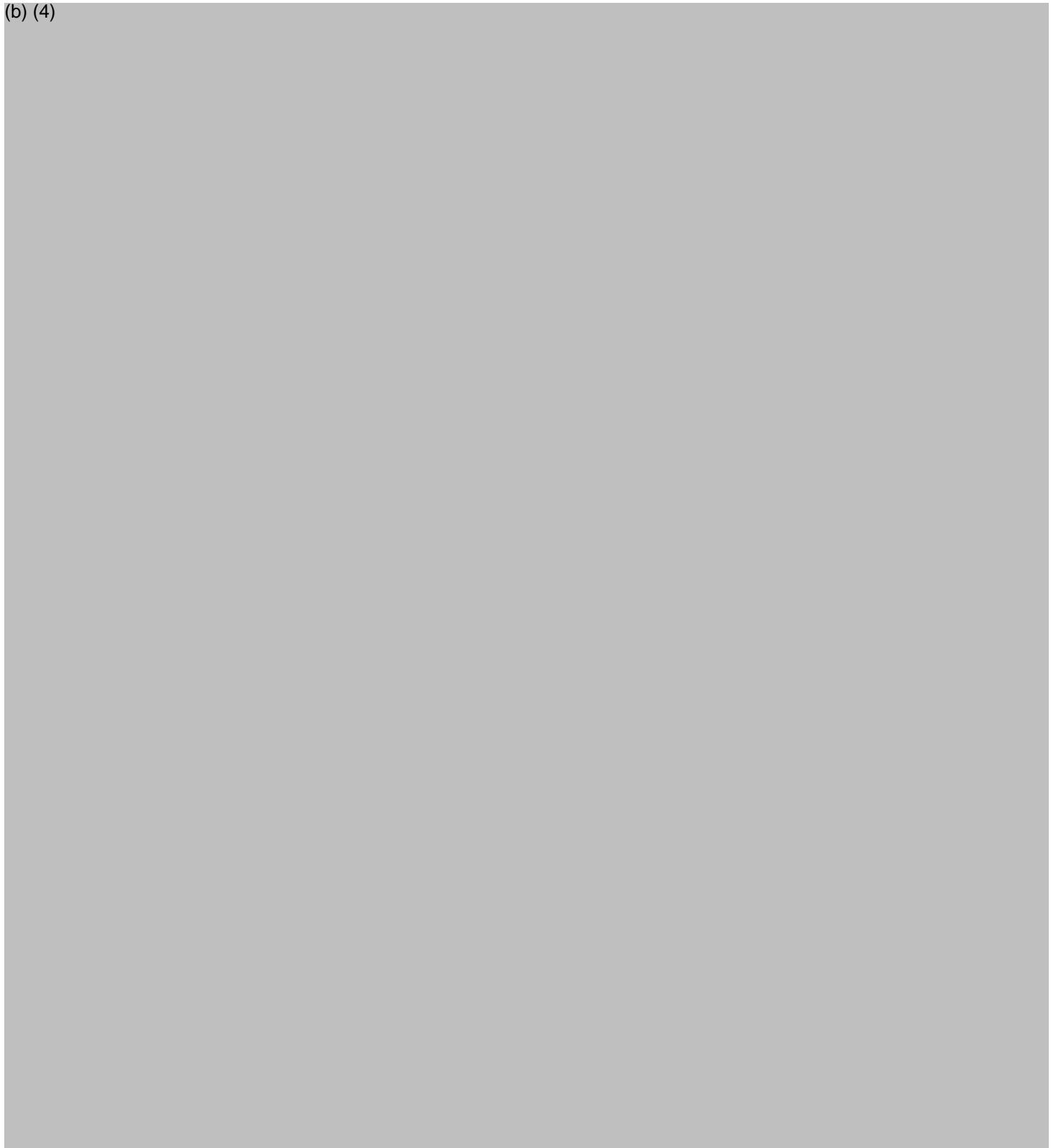
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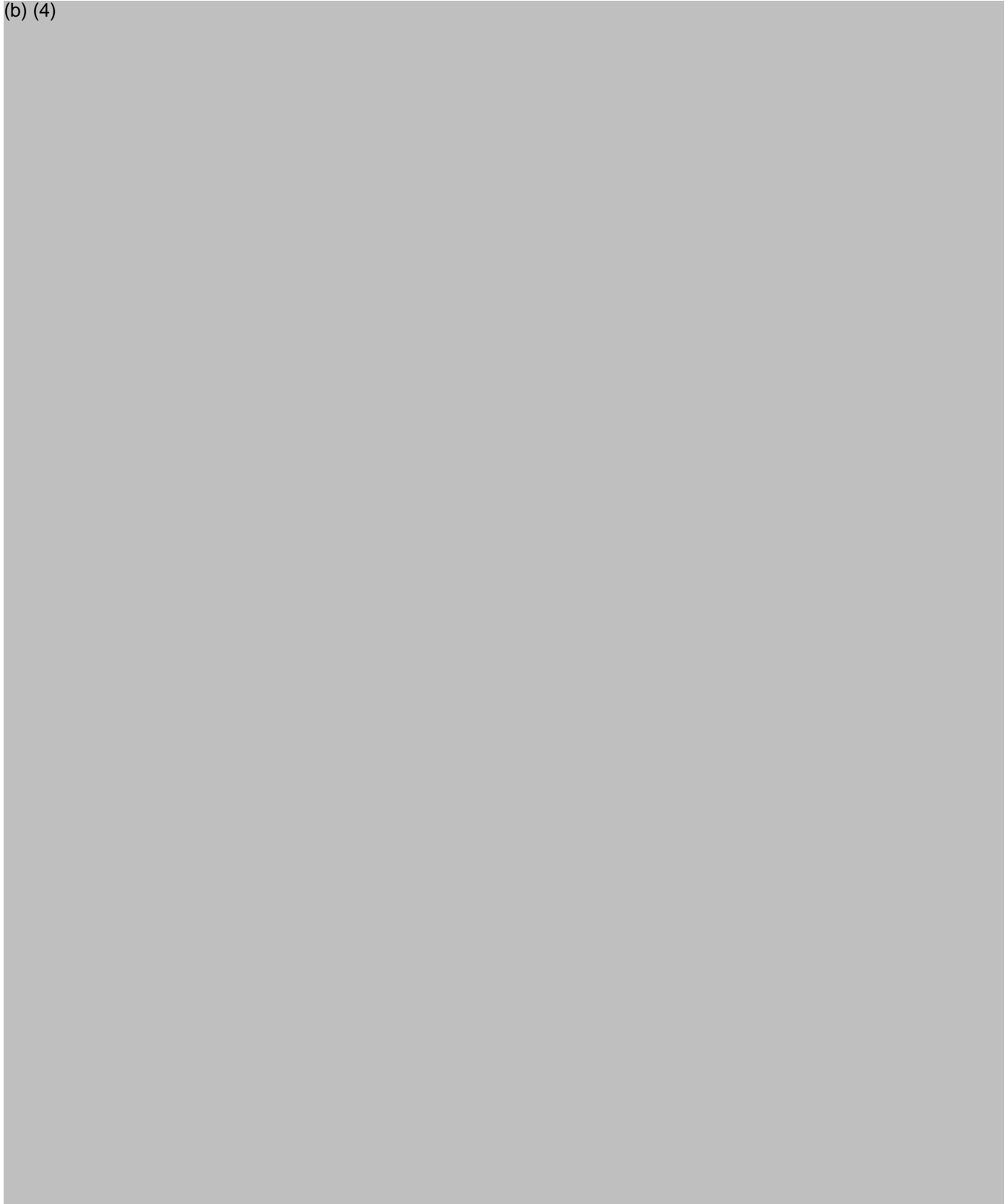



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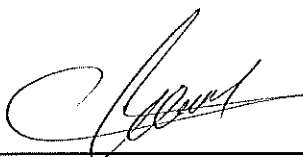
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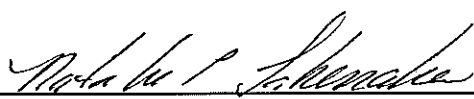
**Approvals:**

Prepared by:   
Author

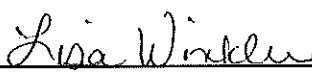
Date: 10-9-2012

Approved by:   
Management - LLI

Date: 10-12-12

Approved by:   
Quality Manager - RJRT

Date: 10/12/12

Approved by:   
Quality Assurance - LLI

Date: 10/12/12

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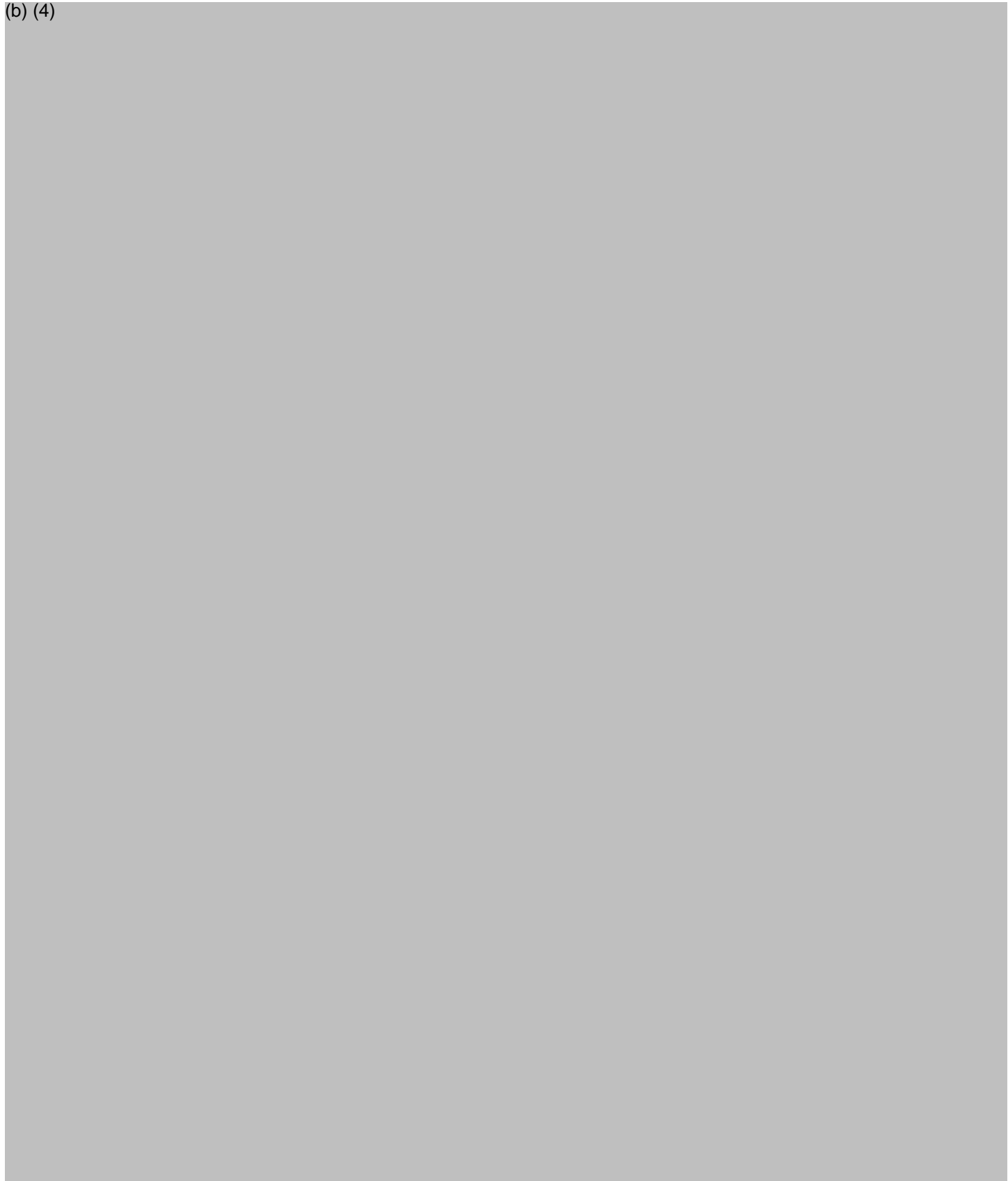
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Date Issued: 10/09/2012

Date Revised: 10/09/2012

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**Title:** Component Weight

**Effective Date:** 3/1/2016

**Document No.:** RJRT-WI-004264

**Revision Level:** 019

**Author:** Keith J Green

**Status:** CURRENT

**Release Review and Approval**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
DOCUMENT COORDINATOR	Tracy M. Hefner	Sr Technician	HEFNERT	02/13/2016 22:26
RJRT-AUTHOR	Keith J Green	Scientist IV	GREENK1	02/16/2016 18:04
RJRT-RELEASE APPROVER	Jannell M. Rowe	Dir Product Services	ROWEJ	02/16/2016 18:24
DOCUMENT COORDINATOR	Tracy M. Hefner	Sr Technician	HEFNERT	02/16/2016 19:07

**Periodic Review**

<u>Role</u>	<u>Actor</u>	<u>Title</u>	<u>Sign-off By</u>	<u>Sign-Off Date &amp; Time(GMT)</u>
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**Reason for Revision**

Reason for revision: Updated to current documentation practices. Changed company name, Changed title of WI.

Title: Component Weight	Effective Date: 3/1/2016
Document #: RJRT-WI-004264	Revision: 019

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Title: Component Weight	Effective Date: 3/1/2016
Document #: RJRT-WI-004264	Revision: 019

(b) (4)



Title: Component Weight	Effective Date: 3/1/2016
Document #: RJRT-WI-004264	Revision: 019

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Title: Component Weight	Effective Date: 3/1/2016
Document #: RJRT-WI-004264	Revision: 019

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**Determination of Product / Component Weight**

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**COMPANY CONFIDENTIAL**  
**Level 3 Document**

**Approvals:**

Prepared by: William D. Chatham  
Author

Date: 03-20-2013

Approved by: Cam J. Byrnes  
Management - LLI


Date: 3/20/13

Approved by: Maria R. Bero  
Quality Officer - LLI

Date: 03/20/13

Approved by: Lisa Winkler  
Quality Assurance - LLI

Date: 03/20/13

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Rev: 17  
Date Issued: 03/20/2013  
Date Revised: 03/20/2013

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**Standard Operating Procedure for the Determination of  
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Date Issued: 03/20/2013

Date Revised: 03/20/2013

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**Determination of Product / Component Weight**

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**COMPANY CONFIDENTIAL**  
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**Approvals:**

Prepared by: William D. Patton  
Author

Date: 6-25-2012

Approved by: James J. Byrne  
Management - LLI

Date: 6/25/12

Approved by: Ngela C. Selenka  
Quality Manager - RJRT

Date: 6/25/12

Approved by: Lisa Winkler  
Quality Assurance - LLI

Date: 6/25/12

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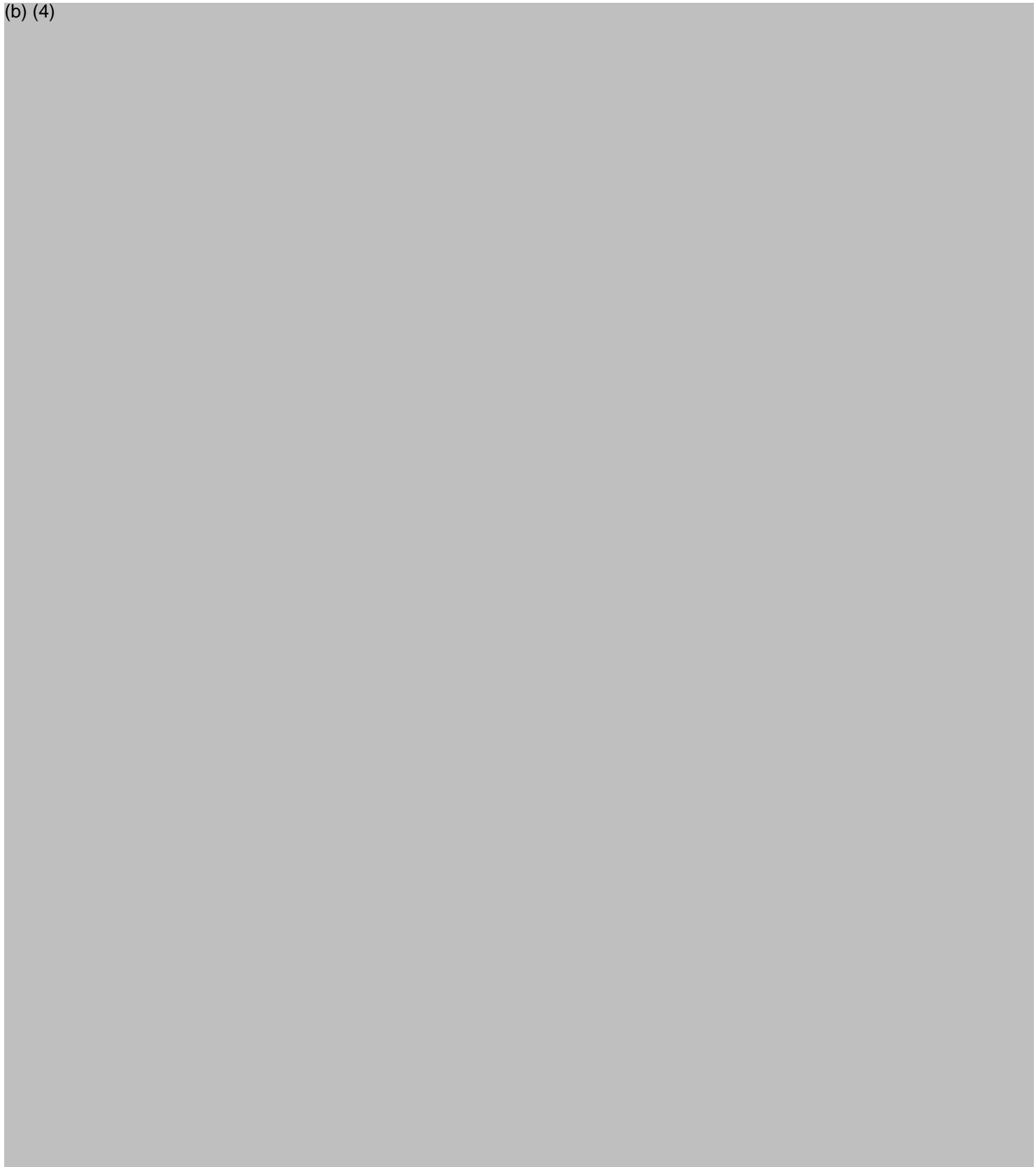
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Rev: 16

Date Issued: 06/25/2012

Date Revised: 06/25/2012

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## Appendix C

### Chemical Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

R. J. REYNOLDS TOBACCO COMPANY<sup>1</sup>  
Product Services Analytical Testing Laboratories  
950 Reynolds Blvd.  
Winston Salem, NC 27105  
Jannell Rowe Phone: 336 741 4121

## CHEMICAL

Valid To: June 30, 2018

Certificate Number: 1137.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on cigarettes, cigarette smoke and related processes and materials:

<u>Test Description</u>	<u>Test Procedures</u>	<u>Test Method</u>
<b><u>I. Cigarette Smoke Parameters</u></b>		
TNCO in Mainstream Smoke by Cambridge Filter pad Method TNCO in Mainstream Smoke by ISO Methods 4387 and 8454	32 FR 11178 45 FR 46483 ISO 4387 TIOJ Method	RJRT-WI-004120 RJRT-WI-004181
Nicotine	32 FR 11178 45 FR 46483 ISO 10315	RJRT-WI-004181
Carbon Monoxide	45 FR 46483 ISO 8454	RJRT-WI-004181
Water	32 CFR 11178 45 CFR 46483 ISO 10362-1	RJRT-WI-004181
<b><u>II. Ignition Properties</u></b>		
Ignition Strength of Cigarettes	ASTM E2187-09 Appendix A to Part 429 of Title 19 NYCRR Regulation	RJRT-WI-004194
Eclipse (Non-Burn Down) Testing Procedure for NYS Free Air Extinction	-----	RJRT-WI-004195
<b><u>III. Spectroscopy</u></b>		
Inductively Coupled Plasma Optical Emission Spectroscopy		
ICPOES Analysis of Tobacco and Paper after Digestion	-----	RJRT-WI-004118
ICP/Mass Spectroscopy		
Elemental Content	-----	RJRT-WI-004210
Digestion and Analysis of Metals in Mainstream Smoke Condensate	-----	RJRT-WI-004231

<b><u>Test Description</u></b>	<b><u>Test Procedures</u></b>	<b><u>Test Method</u></b>
<b>Continuous Flow Analyzers</b>		
Alkaloids, Total and Reducing Sugars in Tobacco	-----	RJRT-WI-004082
Nitrate in Tobacco	-----	RJRT-WI-004085
Ammonia in Tobacco	-----	RJRT-WI-004086
Hydrogen Cyanide in Smoke	-----	RJRT-WI-004111
<b>Chemiluminescence</b>		
Nitrogen Oxides in Smoke	-----	RJRT-WI-004116
Nitrite in Tobacco Products	-----	RJRT-WI-004213
<b>Non-Dispersive Infrared</b>		
Carbon Monoxide in Smoke	-----	RJRT-WI-004181
<b><u>IV. Chromatography</u></b>		
<b>Gas Chromatography</b>		
Nicotine, Water, Menthol, Glycerin and Propylene Glycol in Smoke	-----	RJRT-WI-004135
Menthol in Tobacco, Cigarettes and Cigarette Components	-----	RJRT-WI-004083
Nicotine and Water in Smoke	-----	RJRT-WI-004121
Menthol in Smoke	-----	RJRT-WI-004075
Plasticizer(s) in Filter/Filter Rods	-----	RJRT-WI-004078
Propylene Glycol and Glycerin in Tobacco	-----	RJRT-WI-004096
Water in Tobacco	-----	RJRT-WI-004157
Specific Alkaloids in Tobacco	-----	RJRT-WI-004105
Water, Acetone, and Nicotine in Cigarette for Dermal Studies	-----	RJRT-WI-004203
Nicotine in SNUS Product	-----	RJRT-WI-004228
<b>Combustion/Gas Chromatography</b>		
Carbon, Hydrogen and Nitrogen Elemental Analysis	-----	RJRT-WI-004102
<b>Ion Chromatography</b>		
Ammonia in Smoke	-----	RJRT-WI-004149
<b>Liquid Chromatography</b>		
Selected Carbonyl Compounds in Mainstream Smoke	-----	RJRT-WI-004112
Citric Acid in Cigarette Paper	-----	RJRT-WI-004193
Licorice in Tobacco and Glycyrrhizic Acid in Licorice	-----	RJRT-WI-004103
The Direct Determination of Theobromine in Raw Material and the Indirect Determination of Cocoa in Tobacco	-----	RJRT-WI-004133
Sucrose, Glucose and Fructose in Tobacco and Raw Materials	-----	RJRT-WI-004100
Hydroxybenzenes in Mainstream Particulate Matter of Cigarette Smoke	-----	RJRT-WI-004202
Benzo[a]pyrene In Fire-Cured and other Tobaccos	-----	RJRT-WI-004204
Sucralose in Tobacco and Tobacco Products	-----	RJRT-WI-004220
Organic Acids in Tobacco and Tobacco Products	-----	RJRT-WI-004221
Carbonyls in Tobacco	-----	RJRT-WI-004219
Hydroxybenzenes in Aerosol from Electronic Cigarettes	-----	RJRT-WI-004240
<b>Liquid Chromatography/Mass Spectrometry/Mass Spectrometry</b>		
Sample Prep for Tobacco Specific Nitrosamines in Tobacco and Alternate Tobacco Products	-----	RJRT-WI-004214
Sample Prep for Tobacco Specific Nitrosamines in Smoke	-----	RJRT-WI-004215
Quantitative Determination of Tobacco Specific Nitrosamines	-----	RJRT-WI-004216
Extraction of Acrylamide from Tobacco and Alternative Tobacco Products	-----	RJRT-WI-004217
Quantitative Determination of Acrylamide by UPLC	-----	RJRT-WI-004218
Free Amino Acids in Tobacco Materials by UPLC-MS-MS	-----	RJRT-WI-004572

<b><u>Test Description</u></b>	<b><u>Test Procedures</u></b>	<b><u>Test Method</u></b>
<b>Gas Chromatography/Mass Spectrometry</b>		
Pyridine, Quinoline, and Acrylamide	-----	RJRT-WI-004196
Primary Aromatic Amines	-----	RJRT-WI-004192
1,3-Butadiene, Ethylene Oxide, Vinyl Chloride and Propylene Oxide in MVP Cigarette Smoke	-----	RJRT-WI-004199
Level of Flavors Applied to Snus Products	-----	RJRT-WI-004205
Extraction of PAH from MSPP of Burn-Down Products, HNB Products, Aerosols from e-Cigs and from Tobacco Material	-----	RJRT-WI-004226
Polycyclic Aromatic Hydrocarbons in MSPP from Burn-down Products	-----	RJRT-WI-004227
Extraction of Volatile Nitrosamines from Smokeless Tobacco Products	-----	RJRT-WI-004224
Volatile Nitrosamines	-----	RJRT-WI-004225
Menthol, Methyl Salicylate and Ethyl Salicylate in Snuff Products	-----	RJRT-WI-004232
Level of Mint Flavor Applied to Camel SNUS Product	-----	RJRT-WI-004233
Qualitative Profiling of Raw Flavors	-----	RJRT-WI-004236
% Purity of Methyl Salicylate and Ethyl Salicylate (Raw Flavors)	-----	RJRT-WI-004548
<b><u>V. Gravimetric and Electrode Analysis</u></b>		
<b>Gravimetric</b>		
Moisture in Tobacco	74 FR 712	RJRT-WI-004090
Sand in Tobacco	-----	RJRT-WI-004092
Total Solids in Tobacco Extract	-----	RJRT-WI-004098
Charcoal in Cellulose Acetate Filters	-----	RJRT-WI-004197
Resin in Cellulose Acetate Filters	-----	RJRT-WI-004198
Hot Water Solubles in Tobacco	-----	RJRT-WI-004095
Tobacco Ash	-----	RJRT-WI-004094
Moisture in Tobacco by Microwave	-----	RJRT-WI-004235
Percent Solids by CEM SMART System 5	-----	RJRT-WI-004241
<b>Electrode Analysis</b>		
Tobacco pH	74 FR 712	RJRT-WI-004089
Puff by Puff pH in Tobacco Smoke utilizing the Mass/Texas Smoke Regime	-----	RJRT-WI-004230
<b>Titration</b>		
Chloride in Tobacco	-----	RJRT-WI-004136
Potassium Carbonate and DAP Content using Sulfuric Acid and an Automatic Titrator	-----	RJRT-WI-004251
Water Analysis by Karl Fisher	-----	RJRT-WI-004613
<b>Sensory Evaluation</b>		
Raw Materials and Products Acceptability by Sensory Evaluation	-----	RJRT-WI-004250
<b>Density</b>		
Smoke Condensate and Dosing Solution Density	-----	RJRT-WI-004174

## BIOLOGICAL

In recognition of the successful completion of the A2LA evaluation process, accreditation is also granted to this laboratory to perform the following types of tests on cigarettes, cigarette smoke and related processes and materials:

<u>Test Description</u>	<u>Test Procedures</u>	<u>Test Method</u>
Water Activity	-----	RJRT-WI-004638
Microbial Enumeration	-----	RJRT-WI-004639
Thermophile & Anaerobe Enumeration	-----	RJRT-WI-004663

<sup>1</sup>This accreditation covers testing performed at the main laboratory as well as the satellite laboratory listed below.

R. J. REYNOLDS TOBACCO COMPANY  
Ingredient Mixing and Storage Laboratory  
7855 King Road,  
Tobaccoville, NC 27050

<u>Test Description</u>	<u>Test Procedures</u>	<u>Test Method</u>
Percent Solids by CEM SMART System 5	-----	RJRT-WI-004241
Viscosity	-----	RJRT-WI-004242
Density using Gardner Cup	-----	RJRT-WI-004243
Propylene Glycol and Menthol in Top Dressings using Gas Chromatography	-----	RJRT-WI-004244
Verification of Raw Material Identity by Infrared Spectrometer	-----	RJRT-WI-004245
Melting Ranges using a Buchi M-565	-----	RJRT-WI-004246
Raw Materials and Products Acceptability by Sensory Evaluation	-----	RJRT-WI-004250
Specific Gravity and Refractive Index	-----	RJRT-WI-004252
Specific Gravity and Refractive Index by Anton/Paar DMA 4500 & Rudolph Research Analytical J257	-----	RJRT-WI-004257
pH	-----	RJRT-WI-004247



## *Accredited Laboratory*

A2LA has accredited

**R. J. REYNOLDS TOBACCO COMPANY**

*Winston Salem, NC*

for technical competence in the field of

**Chemical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 3<sup>rd</sup> day of June 2016.

A handwritten signature in blue ink, appearing to read 'J. C. Bunt'.

Senior Director of Quality and Communications  
For the Accreditation Council  
Certificate Number 1137.01  
Valid to June 30, 2018

*For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.*

## Appendix D

### Mechanical Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

R.J. REYNOLDS TOBACCO COMPANY  
Product Services Physical and Materials Testing Labs  
950 Reynolds Blvd. Bldg 611-9  
Winston-Salem, NC 27102  
Jannell Rowe Phone: 336 741 4121

## MECHANICAL

Valid To: June 30, 2018

Certificate Number: 1137.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on cigarettes and related materials:

<b><u>Test Technology</u></b>	<b><u>Test Method</u></b>
Filling Capacity D51	RJRT-WI-004261
Cigarette Loose Ends	RJRT-WI-004262
Cigarette Hardness	RJRT-WI-004263
Component Weight	RJRT-WI-004264
Expanded Tobacco	RJRT-WI-004265
Cigarette QTM	RJRT-WI-004266
Oven Volatiles	RJRT-WI-004267
Sieve Analysis	RJRT-WI-004268
Filter QTM	RJRT-WI-004270
Circumference DTL	RJRT-WI-004271
Cigarette QTM5U	RJRT-WI-004274
Filter Segment QTM	RJRT-WI-004277
Filter Hardness	RJRT-WI-004278
Physical Lab Capsule Analyses	RJRT-WI-004279
Flashpoint Miniflash FLP	RJRT-WI-004282
Filling Capacity D61	RJRT-WI-004552
Brightness	RJRT-WI-004285



<b><u>Test Technology</u></b>	<b><u>Test Method</u></b>
Caliper	RJRT-WI-004286
Opacity	RJRT-WI-004287
Slip Angle (Friction)	RJRT-WI-004288
Tensile Strength	RJRT-WI-004289
Basis Weight	RJRT-WI-004290
Glass Fiber Mat	RJRT-WI-004291
Width	RJRT-WI-004292
Materials Lab Moisture	RJRT-WI-004293
Air Permeability	RJRT-WI-004294
Band Width and Spacing	RJRT-WI-004295
Diffusion	RJRT-WI-004296
Tensile Strength of Pouches	RJRT-WI-004297
Cut and Weigh	RJRT-WI-004298
Gurly Porosity	RJRT-WI-004299
Air Permeability of FSC Paper	RJRT-WI-004301
Diameter of Glass Filaments	RJRT-WI-004304



## *Accredited Laboratory*

A2LA has accredited

**R. J. REYNOLDS TOBACCO COMPANY**

*Winston Salem, NC*

for technical competence in the field of

**Mechanical Testing**

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Presented this 3<sup>rd</sup> day of June 2016.

A handwritten signature in blue ink, appearing to read 'J. C. Bunt'.

Senior Director of Quality and Communications  
For the Accreditation Council  
Certificate Number 1137.02  
Valid to June 30, 2018

*For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.*