



**CATLAB, LLC**  
 19 Levesque Dr. #3  
 Eliot, ME 03903  
 207-200-9950  
 ME OCP: MTF368

# Certificate of Analysis

<b>Client Name</b>	Blue Sky	<b>License Number</b>	AM309
<b>Address</b>	1385 Mercer Rd. Mercer, ME 04957	<b>Phone</b>	(207)587-2092
<b>Order ID</b>	2007	<b>Sample Type</b>	Concentrate CO <sub>2</sub> / Solvent
<b>Sample ID</b>	07369	<b>Strain</b>	Animal Crackers LDLR 5291
<b>METRC Sample ID</b>	1A40D0300000FA1000005291	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	06/05/2023	<b>Collected Sample Weight</b>	8g
<b>Date/Time of Collection</b>	06/05/2023 09:20 AM	<b>Collected By</b>	Tyler Petersen
		<b>Date Generated</b>	06/12/2023

## Summary of Results

Filtration and Foreign Materials Screening	
All Results	Pass

  

Microbiological Screening	
All Results	Pass

  

Heavy Metals Screening	
All Results	Pass

  

Residual Solvents Screening	
All Results	Pass

  

Pesticides Screening	
All Results	Pass

  

Homogeneity Profile	
%RSD THC	0.952
%RSD CBD	N/A
Pass/Fail	Pass
Pass/Fail Limit is 15%	

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	11.5
CBDA	0.324
CBD	1.22
CBG	27.6
CBN	2.30
CBGA	13.9
CBC	27.8
exoTHC	< RL
Δ9-THC	596
Δ8THC	2.43
THCA	6.92
<b>Total Cannabinoids %</b>	69.0
<b>Total CBD mg/g</b>	1.50
<b>Total THC mg/g</b>	602
<b>Total CBD %</b>	0.150
<b>Total THC %</b>	60.2

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		<b>Date Generated</b>	06/12/2023

### Homogeneity

**Date Analyzed:** 06/08/2023  
**Instrument:** UPLC CAT-0002

**Prep Date:** 06/07/2023  
**Method:** SOP-QA-0014

**Analyst:** AC

Analyte	Finding (mg/g)
Total THC Replicate 1	602
Total THC Replicate 2	614
Total THC Replicate 3	611
%RSD THC	0.952

### Potency

**Date Analyzed:** 06/08/2023  
**Instrument:** UPLC CAT-0002/CAT-0151

**Prep Date:** 06/07/2023  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	RL (mg/g)
CBDV	< RL	< RL	0.214
THCV	1.15	11.5	0.214
CBDA	0.0324	0.324	0.214
CBD	0.122	1.22	0.214
CBG	2.76	27.6	0.214
CBN	0.230	2.30	0.214
CBGA	1.39	13.9	0.214
CBC	2.78	27.8	0.214
exoTHC	< RL	< RL	0.214
Δ9-THC	59.6	596	0.214
Δ8THC	0.243	2.43	0.214
THCA	0.692	6.92	0.214

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### Residual Solvents

**Date Analyzed:** 6/7/23  
**Instrument:** CAT-0156

**Prep Date:** 6/6/23  
**Method:** SOP QA-0036

**Analyst:** LCH

Analyte	Result (PPM)	RL (PPM)	Action Limit (PPM)	Pass/Fail
Acetone	< RL	600	5000	Pass
Acetonitrile	< RL	289	410	Pass
Butanes	< RL	695	5000	Pass
Ethanol	< RL	699	5000	Pass
Ethyl acetate	< RL	660	5000	Pass
Ethyl ether	< RL	597	5000	Pass
Heptanes	< RL	613	5000	Pass
Hexane	< RL	263	290	Pass
Isopropyl alcohol	< RL	723	5000	Pass
Methanol	< RL	697	3000	Pass
Pentane	< RL	665	5000	Pass
Propane	< RL	957	5000	Pass
Toluene	< RL	660	890	Pass
m,p-Xylenes	< RL	337	2170*	Pass
o-Xylenes	< RL	342	2170*	Pass
1,2-Dichloroethane	< RL	1.00	1	Pass
Benzene	< RL	1.00	1	Pass
Chloroform	< RL	1.00	1	Pass
Ethylene oxide	< RL	1.00	1	Pass
Methylene chloride	< RL	1.00	1	Pass
Trichloroethylene	< RL	0.900	1	Pass

Note: QC presented analytes outside criteria in LCS (ethylene oxide) and in a CCV (hexane).

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		<b>Date Generated</b>	06/12/2023

## Pesticides

**Date Analyzed:** 6/7/23  
**Instrument:** CAT-0162

**Prep Date:** 6/6/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metalaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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## Pesticides

**Date Analyzed:** 6/7/23  
**Instrument:** CAT-0162

**Prep Date:** 6/6/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).
5. Abamectin is measured as cumulative residues of Abamectin B1a and Abamectin B1b (CAS #71751-41-2)

Note: QC samples presented analytes outside criteria in a CCV (abamectins, cyfluthrin), LCS (acequinocyl, bifenthrin, chlorfenapyr, cyfluthrin, etofenprox, flonicamid, methiocarb, oxamyl, prallethrin), and spiked matrix sample.

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### Heavy Metals

**Date Analyzed:** 6/7/23  
**Instrument:** CAT-0093

**Prep Date:** 6/7/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	53.5	200	Pass
Cadmium	< RL	26.6	200	Pass
Lead	< RL	27.6	500	Pass
Mercury	< RL	2.42	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 6/6/23  
**Date Analyzed Bacteria:** 6/7/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 6/6/23  
**Date Analyzed Ecoli/SLM:** 6/7/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 6/6/23  
**Date Analyzed Yeast and Mold:** 6/9/23  
**Analyst:** KW/ITG

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	10,000	Pass
Total Yeast/Mold	< RL	100	1,000	Pass
Total Enterobacter	< RL	10	100	Pass
Total Coliform	< RL	10	100	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

Genuep Incubator was outside of temp range for a portion of the incubation period

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### Filth and Foreign Materials

**Date Analyzed:** 06/06/23  
**Instrument:** Visual Inspection

**Prep Date:** 06/06/23  
**Method:** SOP-QA-0018

**Analyst:** JG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

Deisy Peña-Romero Lab Director



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<b>Sample ID</b>	07370	<b>Strain</b>	Petrol Pastry LDLR 5293
<b>METRC Sample ID</b>	1A40D0300000FA1000005293	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	06/05/2023	<b>Collected Sample Weight</b>	7g
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## Summary of Results

Filtration and Foreign Materials Screening	
All Results	Pass

  

Microbiological Screening	
All Results	Pass

  

Heavy Metals Screening	
All Results	Pass

  

Residual Solvents Screening	
All Results	Pass

  

Pesticides Screening	
All Results	Pass

  

Homogeneity Profile	
%RSD THC	1.37
%RSD CBD	N/A
Pass/Fail	Pass
Pass/Fail Limit is 15%	

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	10.2
CBDA	1.09
CBD	1.58
CBG	16.2
CBN	1.32
CBGA	22.1
CBC	30.3
exoTHC	< RL
Δ9-THC	578
Δ8THC	0.376
THCA	45.2
<b>Total Cannabinoids %</b>	70.6
<b>Total CBD mg/g</b>	2.54
<b>Total THC mg/g</b>	617
<b>Total CBD %</b>	0.254
<b>Total THC %</b>	61.7

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### Homogeneity

**Date Analyzed:** 06/08/2023  
**Instrument:** UPLC CAT-0002

**Prep Date:** 06/07/2023  
**Method:** SOP-QA-0014

**Analyst:** AC

Analyte	Finding (mg/g)
Total THC Replicate 1	617
Total THC Replicate 2	603
Total THC Replicate 3	617
%RSD THC	1.37

### Potency

**Date Analyzed:** 06/08/2023  
**Instrument:** UPLC CAT-0002/CAT-0151

**Prep Date:** 06/07/2023  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	RL (mg/g)
CBDV	< RL	< RL	0.214
THCV	1.02	10.2	0.214
CBDA	0.109	1.09	0.214
CBD	0.158	1.58	0.214
CBG	1.62	16.2	0.214
CBN	0.132	1.32	0.214
CBGA	2.21	22.1	0.214
CBC	3.03	30.3	0.214
exoTHC	< RL	< RL	0.214
Δ9-THC	57.8	578	0.214
Δ8THC	0.0376	0.376	0.214
THCA	4.52	45.2	0.214

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<b>Address</b>	1385 Mercer Rd. Mercer, ME 04957	<b>Phone</b>	(207)587-2092
<b>Order ID</b>	2007	<b>Sample Type</b>	Concentrate CO <sub>2</sub> / Solvent
<b>Sample ID</b>	07370	<b>Strain</b>	Petrol Pastry LDLR 5293
<b>METRC Sample ID</b>	1A40D0300000FA1000005293	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	06/05/2023	<b>Collected Sample Weight</b>	7g
<b>Date/Time of Collection</b>	06/05/2023 09:30 AM	<b>Collected By</b>	Tyler Petersen
		<b>Date Generated</b>	06/12/2023

### Residual Solvents

**Date Analyzed:** 6/7/23  
**Instrument:** CAT-0156

**Prep Date:** 6/6/23  
**Method:** SOP QA-0036

**Analyst:** LCH

Analyte	Result (PPM)	RL (PPM)	Action Limit (PPM)	Pass/Fail
Acetone	< RL	600	5000	Pass
Acetonitrile	< RL	289	410	Pass
Butanes	< RL	695	5000	Pass
Ethanol	< RL	699	5000	Pass
Ethyl acetate	< RL	660	5000	Pass
Ethyl ether	< RL	597	5000	Pass
Heptanes	< RL	613	5000	Pass
Hexane	< RL	263	290	Pass
Isopropyl alcohol	< RL	723	5000	Pass
Methanol	< RL	697	3000	Pass
Pentane	< RL	665	5000	Pass
Propane	< RL	957	5000	Pass
Toluene	< RL	660	890	Pass
m,p-Xylenes	< RL	337	2170*	Pass
o-Xylenes	< RL	342	2170*	Pass
1,2-Dichloroethane	< RL	1.00	1	Pass
Benzene	< RL	1.00	1	Pass
Chloroform	< RL	1.00	1	Pass
Ethylene oxide	< RL	1.00	1	Pass
Methylene chloride	< RL	1.00	1	Pass
Trichloroethylene	< RL	0.900	1	Pass

Note: QC presented analytes outside criteria in LCS (ethylene oxide) and in a CCV (hexane).

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<b>Order ID</b>	2007	<b>Sample Type</b>	Concentrate CO <sub>2</sub> / Solvent
<b>Sample ID</b>	07370	<b>Strain</b>	Petrol Pastry LDLR 5293
<b>METRC Sample ID</b>	1A40D0300000FA1000005293	<b>Serving Mass (g)/ Package</b>	/
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		<b>Date Generated</b>	06/12/2023

## Pesticides

**Date Analyzed:** 6/7/23  
**Instrument:** CAT-0162

**Prep Date:** 6/6/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoxazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metalaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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<b>Order ID</b>	2007	<b>Sample Type</b>	Concentrate CO <sub>2</sub> / Solvent
<b>Sample ID</b>	07370	<b>Strain</b>	Petrol Pastry LDLR 5293
<b>METRC Sample ID</b>	1A40D0300000FA1000005293	<b>Serving Mass (g)/ Package</b>	/
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### Pesticides

**Date Analyzed:** 6/7/23  
**Instrument:** CAT-0162

**Prep Date:** 6/6/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

#### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).
5. Abamectin is measured as cumulative residues of Abamectin B1a and Abamectin B1b (CAS #71751-41-2)

Note: QC samples presented analytes outside criteria in a CCV (abamectins, cyfluthrin), LCS (acequinocyl, bifenthrin, chlorfenapyr, cyfluthrin, etofenprox, flonicamid, methiocarb, oxamyl, prallethrin), and spiked matrix sample.

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		<b>Date Generated</b>	06/12/2023

### Heavy Metals

**Date Analyzed:** 6/7/23  
**Instrument:** CAT-0093

**Prep Date:** 6/7/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	53.5	200	Pass
Cadmium	< RL	26.6	200	Pass
Lead	< RL	27.6	500	Pass
Mercury	< RL	2.42	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 6/6/23  
**Date Analyzed Bacteria:** 6/7/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 6/6/23  
**Date Analyzed Ecoli/SLM:** 6/7/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 6/6/23  
**Date Analyzed Yeast and Mold:** 6/9/23  
**Analyst:** KW/ITG

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	10,000	Pass
Total Yeast/Mold	< RL	100	1,000	Pass
Total Enterobacter	< RL	10	100	Pass
Total Coliform	< RL	10	100	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

Genuep Incubator was outside of temp range for a portion of the incubation period

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## Filth and Foreign Materials

**Date Analyzed:** 06/06/23  
**Instrument:** Visual Inspection

**Prep Date:** 06/06/23  
**Method:** SOP-QA-0018

**Analyst:** JG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

Deisy Peña-Romero Lab Director

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