



# PINNACLE ANALYTICS

## Potency Results

Sample Name: *Pink Panther*

Client: Elevated Trading, LLC

Client Batch ID:

Pinnacle-Analytics.com

3549 Lear Way, Suite 101

Medford OR 97504

P:(541)300-8217

**Sample ID:** rC-H-372-D2165

**Matrix:** Flower

**Prep Analyst:** Jeff A.

**Analysis Method:** 0630322+1 H4 4-21-2022 #1.lcm

**Sampling Method:** N/A

**Reference Method:** JCB 2009: HPLC/DAD

**Analysis Batch:** 12-6-2023 H4 101, 185, 205, 372, 390, 415 Flower

Date Sampled: 12/5/2023

Date Reported: 12/15/2023

Client License: AG-R1065116-IHH

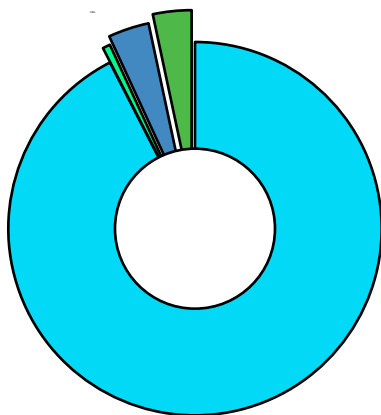
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<b>Total THC</b> (THCA*0.877+d9-THC)	<b>0.583%</b>
<b>Total CBD</b> (CBDA*0.877+CBD)	<b>16.8%</b>
<b>Moisture Content</b>	<b>11.5%</b>
<b>Water Activity</b>	<b>0.407</b>

Cannabinoid	% Weight	mg/g
CBDVA	<LOQ	<LOQ
CBDV	<LOQ	<LOQ
CBDA*	18.4	184.0
CBGA	<LOQ	<LOQ
CBG	0.13	1.3
CBD*	0.703	7.03
THCV	<LOQ	<LOQ
CBN	<LOQ	<LOQ
d9-THC*	<LOQ	<LOQ
d8-THC*	<LOQ	<LOQ
CBC	<LOQ	<LOQ
THCA*	0.665	6.65
<b>Total Cannabinoids</b>	<b>19.9</b>	<b>199.0</b>

\*ORELAP Accredited Analyte

Limit Of Quantitation: 0.1%, analyte not measured



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Kris Ford, PhD  
Lab Director



# PINNACLE

— ANALYTICS —

## Quality Control Results

**Analyst:** Jeff A.

Pinnacle-Analytics.com  
3549 Lear Way, Suite 101  
Medford OR 97504

**Analysis Batch:** 12-6-2023 H4 101, 185, 205, 372, 390, 415 Flower P:(541)300-8217

	Duplicate RPD		LCS % Recovery		Method Blank	
	H-0-D2119-b	Limit	C-FL-120623	Limits	C-FB-120623	Limit
<b>CBDA</b>	9.91%	10%	97.9%	90-110%	<LOQ/2	LOQ/2
<b>CBD</b>	8.86%	30%	102.0%	90-110%	<LOQ/2	LOQ/2
<b>d9-THC</b>	<LOQ%	30%	102.0%	90-110%	<LOQ/2	LOQ/2
<b>d8-THC</b>	<LOQ%	30%	103.0%	90-110%	<LOQ/2	LOQ/2
<b>THCA</b>	7.56%	10%	92.9%	90-110%	<LOQ/2	LOQ/2

RPD: Relative Percent Difference between unknown sample and its duplicate

LCS: Laboratory Control Sample with known concentration

Case Comments: There were no divergences from ordinary Quality Control procedures or SOPs.



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Report generated by Routine\_Potency\_Rev13\_8-1-2023

Kris Ford, PhD  
Lab Director

PREE Laboratories - South  
545 SW 2nd St, #202, Corvallis, OR 97333  
541-257-5002 / OLCC 010-10087092BDA / www.PREElab.com

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*Pink Panther*

*Pinnacle Analytics*

010-101599328A3

Sample ID: C231789-10 METRC Batch #:

Matrix: Hemp

Date Sampled: NA

Date Accepted: 12/07/23

Batch ID:

Batch Size:

Sampling Method/SOP: Client

**Terpene Analysis**

Date/Time Extracted: 12/12/23 09:13

Analysis Method/SOP: SOP.T.40.092

Date/Time Analyzed: 12/13/23 01:13

Sample extracted and analyzed at PREE Lab - North

Analyte	LOQ (mg/g)	Mass (mg/g)	Mass (%)	Analyte	LOQ (mg/g)	Mass (mg/g)	Mass (%)
alpha-Pinene	0.100	< LOQ	< LOQ	beta-Pinene	0.100	0.102	0.0102
Camphene	0.100	< LOQ	< LOQ	Sabinene	0.100	< LOQ	< LOQ
Sabinene hydrate	0.100	< LOQ	< LOQ	beta-Myrcene	0.100	0.247	0.0247
p-Mentha-1,5-diene	0.100	< LOQ	< LOQ	(+)-3-Carene	0.100	< LOQ	< LOQ
alpha-Terpinene	0.100	< LOQ	< LOQ	gamma-Terpinene	0.100	< LOQ	< LOQ
Limonene	0.100	0.131	0.0131	Eucalyptol	0.100	< LOQ	< LOQ
Guaiol	0.100	0.188	0.0188	Terpinolene	0.100	< LOQ	< LOQ
Linalool	0.100	0.160	0.016	Camphor	0.100	< LOQ	< LOQ
(+)-Camphor	0.100	< LOQ	< LOQ	(-)-Camphor	0.100	< LOQ	< LOQ
Isopulegol	0.100	< LOQ	< LOQ	Isoborneol	0.100	< LOQ	< LOQ
Borneol	0.100	0.115	0.0115	Hexahydrothymol	0.100	< LOQ	< LOQ
Geraniol	0.100	< LOQ	< LOQ	(+)-Pulegone	0.100	< LOQ	< LOQ
Nerol	0.100	< LOQ	< LOQ	cis-Nerolidol	0.100	< LOQ	< LOQ
trans-Nerolidol	0.100	< LOQ	< LOQ	Geranyl acetate	0.100	< LOQ	< LOQ
alpha-Cedrene	0.100	< LOQ	< LOQ	trans-Caryophyllene	0.100	0.645	0.0645
Caryophyllene Oxide	0.100	0.156	0.0156	alpha-Humulene	0.100	0.382	0.0382
Valencene	0.100	< LOQ	< LOQ	alpha-Farnesene	0.100	< LOQ	< LOQ
beta-Farnesene	0.100	< LOQ	< LOQ	Cedrol	0.100	< LOQ	< LOQ
alpha-Bisabolol	0.100	0.537	0.0537	Fenchone	0.100	< LOQ	< LOQ
Fenchyl Alcohol	0.100	0.100	0.01	trans, beta- Ocimene	0.100	< LOQ	< LOQ
beta, cis- Ocimene	0.100	0.190	0.019	Terpineol	0.100	0.188	0.0188
Total (Sum):						3.14	0.31

Analysis performed on GCMS with confirmation ion identification. Terpene analysis is not ORELAP accredited. Results reported as dry weight. LOQ = Limit of Quantitation.



Carson Newkirk  
Laboratory Manager - 12/14/2023

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*Pink Panther*

**Pinnacle Analytics**

**010-101599328A3**

Sample ID: C231789-10

METRC Batch Package #:

Matrix: Hemp

Date Sampled: 12/07/23 16:15

Date Accepted: 12/07/23 16:15

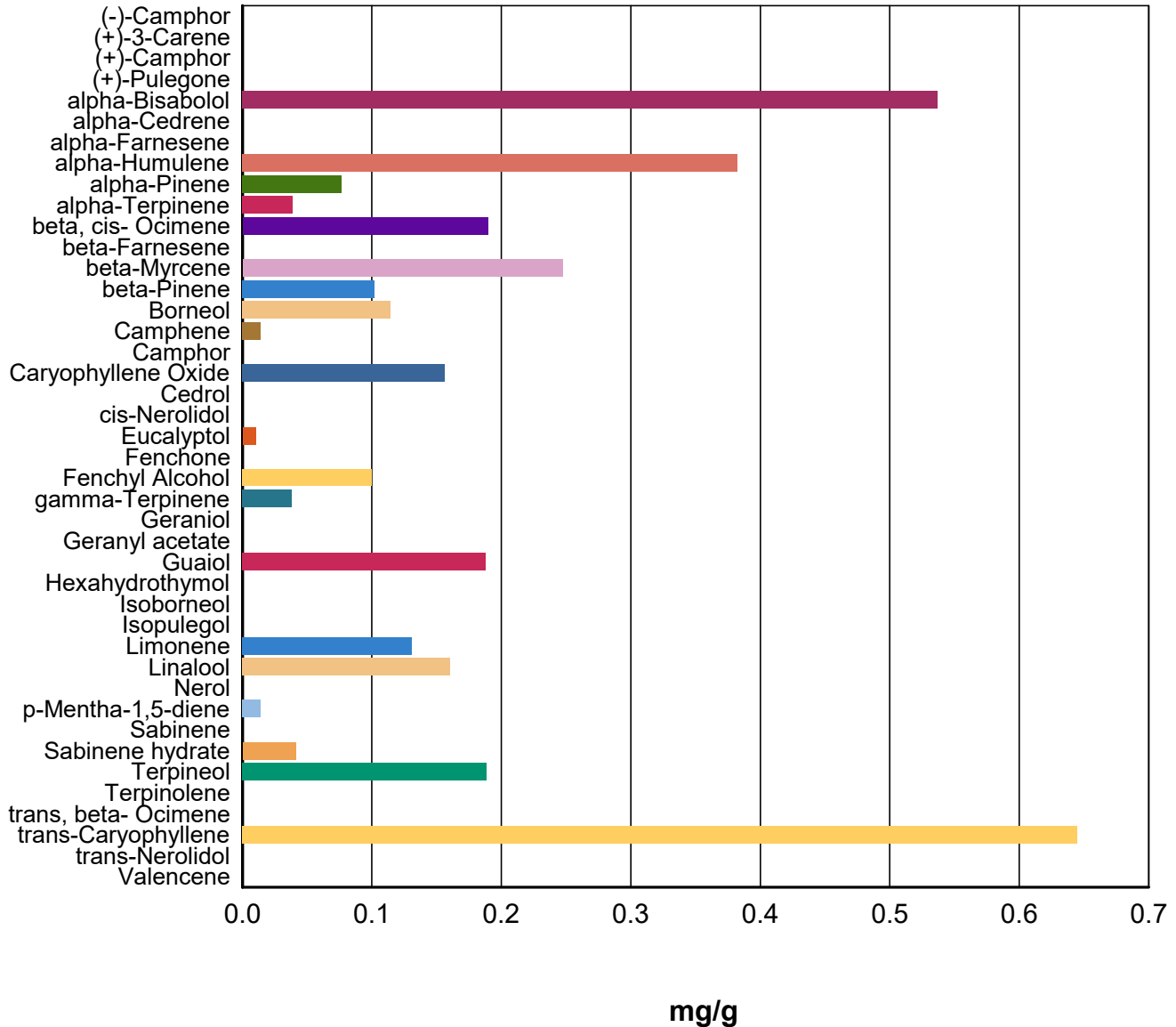
Results Valid Until: 12/06/24

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

**Terpene Profile**



Carson Newkirk  
Laboratory Manager - 12/14/2023

PREE Laboratories - South  
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**Notes and Definitions**

<b>Item</b>	<b>Definition</b>
HIGH BIAS	High analyte recovery, yet no detection of that analyte in samples.



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Laboratory Manager - 12/14/2023

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**Pest/Myco/HM/Mirco Comp- D2164-216**

**Pinnacle Analytics**

**010-101599328A3**

**Sample ID: C231789-14**

**Matrix: Hemp**

**METRC Batch #:**

**Date Accepted: 12/07/23**

**Batch ID:**

**Batch Size:**

**Sampling Method/SOP: Client**

**Pesticides**

Date/Time Extracted: 12/11/23 15:11

Date/Time Analyzed: 12/12/2023 8:30:57PM

Analysis Method/SOP: LSOP #307

Sample extracted and analyzed at PREE Lab - South

Analyte	LOQ	Action Level	Result	Units	Type
Acephate	0.200	0.4	< LOQ	ppm	Organophosphate insecticide
Acequinocyl	0.500	2	< LOQ	ppm	
Acetamiprid	0.100	0.2	< LOQ	ppm	Neonicotinoid insecticide
Aldicarb	0.200	0.4	< LOQ	ppm	Carbamate insecticide
Avermectin B1	0.200	0.5	< LOQ	ppm	
Azoxystrobin	0.100	0.2	< LOQ	ppm	
Bifenazate	0.100	0.2	< LOQ	ppm	Unclassified insecticide
Bifenthrin	0.100	0.2	< LOQ	ppm	
Boscalid	0.200	0.4	< LOQ	ppm	Anilide fungicide
Carbaryl	0.100	0.2	< LOQ	ppm	Carbamate insecticide
Carbofuran	0.100	0.2	< LOQ	ppm	Carbamate insecticide
Chlorantraniliprole	0.100	0.2	< LOQ	ppm	Anthranilic diamide insecticide
Chlorfenapyr	0.500	1	< LOQ	ppm	Pyrazole insecticide
Chlorpyrifos	0.100	0.2	< LOQ	ppm	Organophosphate insecticide
Clofentezine	0.100	0.2	< LOQ	ppm	
Cyfluthrin	0.500	1	< LOQ	ppm	
Cypermethrin	0.500	1	< LOQ	ppm	
Daminozide	0.500	1	< LOQ	ppm	
DDVP (Dichlorvos)	0.500	1	< LOQ	ppm	
Diazinon	0.100	0.2	< LOQ	ppm	Organophosphate insecticide
Dimethoate	0.100	0.2	< LOQ	ppm	
Ethoprophos	0.100	0.2	< LOQ	ppm	
Etofenprox	0.200	0.4	< LOQ	ppm	
Etoxazole	0.100	0.2	< LOQ	ppm	Unclassified miticide
Fenoxycarb	0.100	0.2	< LOQ	ppm	
Fenpyroximate	0.200	0.4	< LOQ	ppm	
Fipronil	0.200	0.4	< LOQ	ppm	Pyrazole insecticide
Fonicamid	0.500	1	< LOQ	ppm	Pyridinecarboxamide insecticide
Fludioxonil	0.200	0.4	< LOQ	ppm	non-systemic fungicide
Hexythiazox	0.500	1	< LOQ	ppm	
Imazalil	0.100	0.2	< LOQ	ppm	Azole fungicide
Imidacloprid	0.200	0.4	< LOQ	ppm	Neonicotinoid insecticide
Kresoxim-methyl	0.200	0.4	< LOQ	ppm	
Malathion	0.100	0.2	< LOQ	ppm	
Metalaxyl	0.100	0.2	< LOQ	ppm	
Methiocarb	0.100	0.2	< LOQ	ppm	Carbamate insecticide
Methomyl	0.200	0.4	< LOQ	ppm	Carbamate insecticide



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**Pest/Myco/HM/Mirco Comp- D2164-216**

**Pinnacle Analytics**

**010-101599328A3**

**Sample ID: C231789-14**

**METRC Batch #:**

**Matrix: Hemp**

**Date Accepted: 12/07/23**

**Batch ID:**

**Batch Size:**

**Sampling Method/SOP: Client**

**Pesticides**

*Date/Time Extracted: 12/11/23 15:11*

*Date/Time Analyzed: 12/12/2023 8:30:57PM*

*Analysis Method/SOP: LSOP #307*

*Sample extracted and analyzed at PREE Lab - South*

Analyte	LOQ	Action Level	Result	Units	Type
Methyl parathion	0.100	0.2	< LOQ	ppm	
MGK I	0.100	0.2	< LOQ	ppm	
MGK II	0.100	0.2	< LOQ	ppm	
MGK-264 (Both)	0.100	0.2	< LOQ	ppm	
Myclobutanil	0.100	0.2	< LOQ	ppm	Azole fungicide
Naled	0.200	0.5	< LOQ	ppm	
Oxamyl	0.500	1	< LOQ	ppm	Carbamate insecticide
Paclobutrazol	0.200	0.4	< LOQ	ppm	Azole plant growth regulator
Permethrins (Both)	0.100	0.2	< LOQ	ppm	
Permethrins Cis	0.100	0.2	< LOQ	ppm	
Permethrins Trans	0.100	0.2	< LOQ	ppm	
Phosmet	0.100	0.2	< LOQ	ppm	Organophosphate insecticide
Piperonyl butoxide	0.500	2	< LOQ	ppm	
Prallethrin	0.100	0.2	< LOQ	ppm	
Propiconazole	0.200	0.4	< LOQ	ppm	
Propoxur	0.100	0.2	< LOQ	ppm	Carbamate insecticide
Pyrethrins (All 3)	0.500	1	< LOQ	ppm	
Pyrethrins Cinerin	0.500	1	< LOQ	ppm	
Pyrethrins Jasmolin	0.500	1	< LOQ	ppm	
Pyrethrins Pyrethrin	0.500	1	< LOQ	ppm	
Pyridaben	0.100	0.2	< LOQ	ppm	Unclassified insecticide
Spinosad (Both)	0.100	0.2	< LOQ	ppm	
Spinosyn A	0.100	0.2	< LOQ	ppm	
Spinosyn D	0.100	0.2	< LOQ	ppm	
Spiromesifen	0.100	0.2	< LOQ	ppm	Keto-enol insecticide
Spirotetramat	0.100	0.2	< LOQ	ppm	Keto-enol insecticide
Spiroxamine	0.200	0.4	< LOQ	ppm	Unclassified fungicide
Tebuconazole	0.200	0.4	< LOQ	ppm	
Thiacloprid	0.100	0.2	< LOQ	ppm	
Thiamethoxam	0.100	0.2	< LOQ	ppm	Neonicotinoid insectide
Trifloxystrobin	0.100	0.2	< LOQ	ppm	Strobin fungicide

**Results above the action level fail Oregon state testing requirements and will be highlighted RED.**

LOQ= Limit of Quantitation; PPM= Parts per million; ND= Not detected; NT= Not tested; AC= Above calibration range. PASS/FAIL status based on OAR 333-007.



Carson Newkirk  
 Laboratory Manager - 12/14/2023

PREE Laboratories - South  
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**Pest/Myco/HM/Mirco Comp- D2164-216** Date Sampled: NA  
**Pinnacle Analytics** Date Accepted: 12/07/23  
**010-101599328A3** Batch ID:  
**Sample ID: C231789-14** METRC Batch #: Batch Size:  
**Matrix: Hemp** Sampling Method/SOP: Client

**Microbial Analysis**

Date/Time Extracted: 12/11/23 15:04 Date/Time Analyzed: 12/13/2023 2:31:26PM  
 Analysis Method/SOP: LSOP #310 Sample extracted and analyzed at PREE Lab - South

Analyte	Result	Units	Pass/Fail
Salmonella spp.	Absent	/g	PASS
STEC E. coli	Absent	/g	PASS

Analytical instrumentation: Thomas Scientific Applied Biosystem qPCR located at PREE Lab - South



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**Pest/Myco/HM/Mirco Comp- D2164-216** Date Sampled: NA  
**Pinnacle Analytics** Date Accepted: 12/07/23  
**010-101599328A3** Batch ID:  
**Sample ID: C231789-14** METRC Batch #: Batch Size:  
**Matrix: Hemp** Sampling Method/SOP: Client

**Heavy Metals Analysis**

Date Extracted: 12/11/23 Date Analyzed: 12/12/23 Analysis Method/SOP: LSOP #309  
 Sample extracted and analyzed at PREE Lab - South

Analyte	LOQ (ug/g)	Action Level (ug/g)	Result (ug/g)
Mercury	0.040	0.1	ND
Lead	0.160	0.5	ND
Cadmium	0.080	0.2	ND
Arsenic	0.080	0.2	ND

LOQ= Limit of Quantitation; ND= Not Detected;  
 The reported result is based on sample weight for this sample;  
 Analytical instrumentation: Agilent 7850 ICP-MS located at PREE Lab - South



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<b>Pest/Myco/HM/Mirco Comp- D2164-216</b>		Date Sampled: NA
<b>Pinnacle Analytics</b>		Date Accepted: 12/07/23
<b>010-101599328A3</b>		Batch ID:
<b>Sample ID: C231789-14</b>	<b>METRC Batch #:</b>	Batch Size:
<b>Matrix: Hemp</b>		Sampling Method/SOP: Client

**Mycotoxins**

Date Extracted: 12/12/23

Date Analyzed: 12/13/23

Analysis Method/SOP: LSOP #308

Sample extracted and analyzed at PREE Lab - South

Analyte	LOQ (ug/g)	Action Level	Result (ug/g)
Total Aflatoxins	0.0100	0.02	ND
Ochratoxin A	0.0100	0.02	ND
Aflatoxin G2	0.0100	0.02	ND
Aflatoxin G1	0.0100	0.02	ND
Aflatoxin B2	0.0100	0.02	ND
Aflatoxin B1	0.0100	0.02	ND

LOQ= Limit of Quantitation; ND= Not Detected;  
The reported result is based on sample weight for this sample;  
Analytical instrumentation: Sciex Triple Quad 6500



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Laboratory Manager - 12/14/2023

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**Quality Control**

**Batch: C23L041 - LSOP #309 Heavy Metal Quantification**

Blank(C23L041-BLK1)			Extracted: 12/11/23 10:38			Analyzed: 12/12/23 12:16			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
Arsenic	< LOQ	0.080 (ug/g)	< LOQ		Lead	< LOQ	0.160 (ug/g)	< LOQ	
Mercury	< LOQ	0.040 (ug/g)	< LOQ		Cadmium	< LOQ	0.080 (ug/g)	< LOQ	

LCS(C23L041-BS1)			Extracted: 12/11/23 10:38			Analyzed: 12/12/23 12:20			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Arsenic	96.4	0.080 (ug/g)	80-115		Lead	100	0.160 (ug/g)	80-115	
Mercury	80.8	0.040 (ug/g)	80-115		Cadmium	88.6	0.080 (ug/g)	80-115	

LCS Dup(C23L041-BSD1)			Extracted: 12/11/23 10:38			Analyzed: 12/12/23 13:55			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Arsenic	92.7	0.080 (ug/g)	80-115		Lead	97.0	0.160 (ug/g)	80-115	
Mercury	81.3	0.040 (ug/g)	80-115		Cadmium	87.9	0.080 (ug/g)	80-115	

**Batch: C23L047 - LSOP #310 Microbial Analysis**

Blank(C23L047-BLK1)			Extracted: 12/11/23 15:04			Analyzed: 12/13/23 14:31			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
STEC E. coli	Absent	0.500 (/g)	< LOQ		Salmonella spp.	Absent	0.500 (/g)	< LOQ	

Reference(C23L047-SRM1)			Extracted: 12/11/23 15:04			Analyzed: 12/13/23 14:31			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
STEC E. coli	Present	(/g)	100-100		Salmonella spp.	Present	(/g)	100-100	

**Batch: C23L048 - LSOP #307 Pesticide Quantification by LCMS**

Blank(C23L048-BLK1)			Extracted: 12/11/23 15:11			Analyzed: 12/12/23 19:31			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
Acephate	< LOQ	0.200 (ppm)	< LOQ		Acequinocyl	< LOQ	0.500 (ppm)	< LOQ	
Acetamiprid	< LOQ	0.100 (ppm)	< LOQ		Aldicarb	< LOQ	0.200 (ppm)	< LOQ	
Avermectin B1	< LOQ	0.200 (ppm)	< LOQ		Azoxystrobin	< LOQ	0.100 (ppm)	< LOQ	
Bifenazate	< LOQ	0.100 (ppm)	< LOQ		Bifenthrin	< LOQ	0.100 (ppm)	< LOQ	
Boscalid	< LOQ	0.200 (ppm)	< LOQ		Carbaryl	< LOQ	0.100 (ppm)	< LOQ	
Carbofuran	< LOQ	0.100 (ppm)	< LOQ		Chlorantraniliprole	< LOQ	0.100 (ppm)	< LOQ	
Chlorfenapyr	< LOQ	0.500 (ppm)	< LOQ		Chlorpyrifos	< LOQ	0.100 (ppm)	< LOQ	
Clofentezine	< LOQ	0.100 (ppm)	< LOQ		Cyfluthrin	< LOQ	0.500 (ppm)	< LOQ	
Cypermethrin	< LOQ	0.500 (ppm)	< LOQ		Daminozide	< LOQ	0.500 (ppm)	< LOQ	
DDVP (Dichlorvos)	< LOQ	0.500 (ppm)	< LOQ		Diazinon	< LOQ	0.100 (ppm)	< LOQ	
Dimethoate	< LOQ	0.100 (ppm)	< LOQ		Ethoprophos	< LOQ	0.100 (ppm)	< LOQ	
Etofenprox	< LOQ	0.200 (ppm)	< LOQ		Etoxazole	< LOQ	0.100 (ppm)	< LOQ	
Fenoxycarb	< LOQ	0.100 (ppm)	< LOQ		Fenpyroximate	< LOQ	0.200 (ppm)	< LOQ	



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Laboratory Manager - 12/14/2023

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**Quality Control**

**Batch: C23L048 - LSOP #307 Pesticide Quantification by LCMS (Continued)**

<b>Blank(C23L048-BLK1)</b>			Extracted: 12/11/23 15:11			Analyzed: 12/12/23 19:31			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
Fipronil	< LOQ	0.200 (ppm)	< LOQ		Fonicamid	< LOQ	0.500 (ppm)	< LOQ	
Fludioxonil	< LOQ	0.200 (ppm)	< LOQ		Hexythiazox	< LOQ	0.500 (ppm)	< LOQ	
Imazalil	< LOQ	0.100 (ppm)	< LOQ		Imidacloprid	< LOQ	0.200 (ppm)	< LOQ	
Kresoxim-methyl	< LOQ	0.200 (ppm)	< LOQ		Malathion	< LOQ	0.100 (ppm)	< LOQ	
Metalaxyl	< LOQ	0.100 (ppm)	< LOQ		Methiocarb	< LOQ	0.100 (ppm)	< LOQ	
Methomyl	< LOQ	0.200 (ppm)	< LOQ		Methyl parathion	< LOQ	0.100 (ppm)	< LOQ	
MGK I	< LOQ	0.100 (ppm)	< LOQ		MGK II	< LOQ	0.100 (ppm)	< LOQ	
MGK-264 (Both)	< LOQ	0.100 (ppm)	< LOQ		Myclobutanil	< LOQ	0.100 (ppm)	< LOQ	
Naled	< LOQ	0.200 (ppm)	< LOQ		Oxamyl	< LOQ	0.500 (ppm)	< LOQ	
Paclobutrazol	< LOQ	0.200 (ppm)	< LOQ		Permethrins (Both)	< LOQ	0.100 (ppm)	< LOQ	
Permethrins Cis	< LOQ	0.100 (ppm)	< LOQ		Permethrins Trans	< LOQ	0.100 (ppm)	< LOQ	
Phosmet	< LOQ	0.100 (ppm)	< LOQ		Piperonyl butoxide	< LOQ	0.500 (ppm)	< LOQ	
Prallethrin	< LOQ	0.100 (ppm)	< LOQ		Propiconazole	< LOQ	0.200 (ppm)	< LOQ	
Propoxur	< LOQ	0.100 (ppm)	< LOQ		Pyrethrins (All 3)	< LOQ	0.500 (ppm)	< LOQ	
Pyrethrins Cinerin	< LOQ	0.500 (ppm)	< LOQ		Pyrethrins Jasmolin	< LOQ	0.500 (ppm)	< LOQ	
Pyrethrins Pyrethrin	< LOQ	0.500 (ppm)	< LOQ		Pyridaben	< LOQ	0.100 (ppm)	< LOQ	
Spinosad (Both)	< LOQ	0.100 (ppm)	< LOQ		Spinosyn A	< LOQ	0.100 (ppm)	< LOQ	
Spinosyn D	< LOQ	0.100 (ppm)	< LOQ		Spiromesifen	< LOQ	0.100 (ppm)	< LOQ	
Spirotetramat	< LOQ	0.100 (ppm)	< LOQ		Spiroxamine	< LOQ	0.200 (ppm)	< LOQ	
Tebuconazole	< LOQ	0.200 (ppm)	< LOQ		Thiacloprid	< LOQ	0.100 (ppm)	< LOQ	
Thiamethoxam	< LOQ	0.100 (ppm)	< LOQ		Trifloxystrobin	< LOQ	0.100 (ppm)	< LOQ	

<b>LCS(C23L048-BS1)</b>			Extracted: 12/11/23 15:11			Analyzed: 12/12/23 19:46			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Acephate	101	(ppm)	60-120		Acequinocyl	110	(ppm)	40-160	
Acetamiprid	102	(ppm)	60-120		Aldicarb	90.5	(ppm)	60-120	
Avermectin B1	119	(ppm)	50-150		Azoxystrobin	107	(ppm)	60-120	
Bifentazate	97.7	(ppm)	60-120		Bifenthrin	106	(ppm)	50-150	
Boscalid	101	(ppm)	60-120		Carbaryl	105	(ppm)	60-120	
Carbofuran	101	(ppm)	60-120		Chlorantraniliprole	101	(ppm)	60-120	
Chlorfenapyr	99.7	(ppm)	60-120		Chlorpyrifos	99.8	(ppm)	60-120	
Clofentezine	101	(ppm)	60-120		Cyfluthrin	105	(ppm)	50-150	
Cypermethrin	100	(ppm)	50-150		Daminozide	113	(ppm)	60-120	
DDVP (Dichlorvos)	101	(ppm)	60-120		Diazinon	98.8	(ppm)	60-120	
Dimethoate	100	(ppm)	60-120		Ethoprophos	97.8	(ppm)	60-120	
Etofenprox	101	(ppm)	50-150		Etoxazole	101	(ppm)	60-120	
Fenoxycarb	102	(ppm)	60-120		Fenpyroximate	97.8	(ppm)	60-120	



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**Quality Control**

**Batch: C23L048 - LSOP #307 Pesticide Quantification by LCMS (Continued)**

LCS(C23L048-BS1)			Extracted: 12/11/23 15:11		Analyzed: 12/12/23 19:46				
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Fipronil	100	(ppm)	60-120		Fonicamid	102	(ppm)	60-120	
Fludioxonil	101	(ppm)	50-150		Hexythiazox	99.3	(ppm)	60-120	
Imazalil	99.2	(ppm)	60-120		Imidacloprid	99.8	(ppm)	60-120	
Kresoxim-methyl	102	(ppm)	60-120		Malathion	101	(ppm)	60-120	
Metalaxyl	100	(ppm)	60-120		Methiocarb	98.7	(ppm)	60-120	
Methomyl	103	(ppm)	60-120		Methyl parathion	118	(ppm)	50-150	
MGK I	99.8	(ppm)	50-150		MGK II	105	(ppm)	50-150	
Myclobutanil	98.2	(ppm)	60-120		Naled	103	(ppm)	50-150	
Oxamyl	103	(ppm)	60-120		Paclobutrazol	98.0	(ppm)	60-120	
Permethrins Cis	102	(ppm)	50-150		Permethrins Trans	107	(ppm)	50-150	
Phosmet	101	(ppm)	50-150		Piperonyl butoxide	103	(ppm)	60-120	
Prallethrin	99.0	(ppm)	60-120		Propiconazole	95.0	(ppm)	60-120	
Propoxur	103	(ppm)	60-120		Pyrethrins Cinerin	98.5	(ppm)	60-120	
Pyrethrins Jasmolin	90.5	(ppm)	60-120		Pyrethrins Pyrethrin	103	(ppm)	60-120	
Pyridaben	101	(ppm)	50-150		Spinosyn A	100	(ppm)	50-150	
Spinosyn D	99.0	(ppm)	50-150		Spiromesifen	117	(ppm)	60-120	
Spirotetramat	93.8	(ppm)	60-120		Spiroxamine	104	(ppm)	60-120	
Tebuconazole	103	(ppm)	60-120		Thiacloprid	101	(ppm)	60-120	
Thiamethoxam	100	(ppm)	60-120		Trifloxystrobin	98.7	(ppm)	60-120	

LCS Dup(C23L048-BSD1)			Extracted: 12/11/23 15:11		Analyzed: 12/12/23 21:00				
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Acephate	97.7	(ppm)	60-120		Acequinocyl	104	(ppm)	40-160	
Acetamiprid	98.7	(ppm)	60-120		Aldicarb	92.5	(ppm)	60-120	
Avermectin B1	93.8	(ppm)	50-150		Azoxystrobin	99.8	(ppm)	60-120	
Bifentazate	110	(ppm)	60-120		Bifenthrin	109	(ppm)	50-150	
Boscalid	106	(ppm)	60-120		Carbaryl	99.5	(ppm)	60-120	
Carbofuran	100	(ppm)	60-120		Chlorantraniliprole	95.0	(ppm)	60-120	
Chlorfenapyr	89.7	(ppm)	60-120		Chlorpyrifos	95.8	(ppm)	60-120	
Clofentezine	99.5	(ppm)	60-120		Cyfluthrin	102	(ppm)	50-150	
Cypermethrin	97.3	(ppm)	50-150		Daminozide	111	(ppm)	60-120	
DDVP (Dichlorvos)	100	(ppm)	60-120		Diazinon	93.8	(ppm)	60-120	
Dimethoate	100	(ppm)	60-120		Ethoprophos	95.8	(ppm)	60-120	
Etofenprox	101	(ppm)	50-150		Etoxazole	101	(ppm)	60-120	
Fenoxycarb	94.2	(ppm)	60-120		Fenpyroximate	98.8	(ppm)	60-120	
Fipronil	96.4	(ppm)	60-120		Fonicamid	99.2	(ppm)	60-120	
Fludioxonil	110	(ppm)	50-150		Hexythiazox	93.4	(ppm)	60-120	



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**Quality Control**

**Batch: C23L048 - LSOP #307 Pesticide Quantification by LCMS (Continued)**

LCS Dup(C23L048-BSD1)			Extracted: 12/11/23 15:11			Analyzed: 12/12/23 21:00			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Imazalil	101	(ppm)	60-120		Imidacloprid	98.8	(ppm)	60-120	
Kresoxim-methyl	98.8	(ppm)	60-120		Malathion	97.8	(ppm)	60-120	
Metalaxyl	95.5	(ppm)	60-120		Methiocarb	105	(ppm)	60-120	
Methomyl	97.7	(ppm)	60-120		Methyl parathion	94.8	(ppm)	50-150	
MGK I	104	(ppm)	50-150		MGK II	103	(ppm)	50-150	
Myclobutanil	105	(ppm)	60-120		Naled	101	(ppm)	50-150	
Oxamyl	98.5	(ppm)	60-120		Paclobutrazol	108	(ppm)	60-120	
Permethrins Cis	94.4	(ppm)	50-150		Permethrins Trans	92.4	(ppm)	50-150	
Phosmet	98.0	(ppm)	50-150		Piperonyl butoxide	96.7	(ppm)	60-120	
Prallethrin	102	(ppm)	60-120		Propiconazole	102	(ppm)	60-120	
Propoxur	100	(ppm)	60-120		Pyrethrins Cinerin	112	(ppm)	60-120	
Pyrethrins Jasmolin	87.6	(ppm)	60-120		Pyrethrins Pyrethrin	100	(ppm)	60-120	
Pyridaben	103	(ppm)	50-150		Spinosyn A	100	(ppm)	50-150	
Spinosyn D	97.0	(ppm)	50-150		Spiromesifen	111	(ppm)	60-120	
Spirotetramat	107	(ppm)	60-120		Spiroxamine	101	(ppm)	60-120	
Tebuconazole	105	(ppm)	60-120		Thiacloprid	100	(ppm)	60-120	
Thiamethoxam	97.3	(ppm)	60-120		Trifloxystrobin	94.7	(ppm)	60-120	

**Batch: C23L052 - LSOP #308 Mycotoxin Quantification by LCMS**

Blank(C23L052-BLK1)			Extracted: 12/12/23 09:03			Analyzed: 12/13/23 12:30			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
Ochratoxin A	< LOQ	0.0100 (ppm)	< LOQ		Aflatoxin G2	< LOQ	0.0100 (ppm)	< LOQ	
Aflatoxin G1	< LOQ	0.0100 (ppm)	< LOQ		Aflatoxin B2	< LOQ	0.0100 (ppm)	< LOQ	
Aflatoxin B1	< LOQ	0.0100 (ppm)	< LOQ		Total Aflatoxins	< LOQ	0.0100 (ppm)	< LOQ	

LCS(C23L052-BS1)			Extracted: 12/12/23 09:03			Analyzed: 12/13/23 12:30			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Ochratoxin A	326	(ppm)	60-120	HIGH BIAS	Aflatoxin G2	244	(ppm)	60-120	HIGH BIAS
Aflatoxin G1	233	(ppm)	60-120	HIGH BIAS	Aflatoxin B2	210	(ppm)	60-120	HIGH BIAS
Aflatoxin B1	236	(ppm)	60-120	HIGH BIAS					

LCS Dup(C23L052-BSD1)			Extracted: 12/12/23 09:03			Analyzed: 12/13/23 12:30			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Ochratoxin A	286	(ppm)	60-120	HIGH BIAS	Aflatoxin G2	256	(ppm)	60-120	HIGH BIAS
Aflatoxin G1	260	(ppm)	60-120	HIGH BIAS	Aflatoxin B2	224	(ppm)	60-120	HIGH BIAS
Aflatoxin B1	253	(ppm)	60-120	HIGH BIAS					

**Notes and Definitions**



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<b>Item</b>	<b>Definition</b>
HIGH BIAS	High analyte recovery, yet no detection of that analyte in samples.



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