

Potency Results Sample Name: 13-PP-23

Pinnacle-Analytics.com 3549 Lear Way, Suite 101 Medford OR 97504 P:(541)300-8217

Date Sampled: 12/5/2023 Date Reported: 12/15/2023 Client License: AG-R1065116-IHH

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Matrix: Flower Prep Analyst: Jeff A.

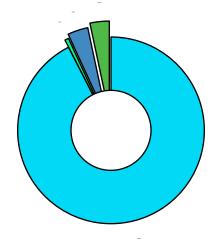
Analysis Method: 0630322+1 H4 4-21-2022 #1.lcm

Sampling Method: N/A

Reference Method: JCB 2009: HPLC/DAD

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

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



Cannabinoid	% Weight	mg/g
CBDVA	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
CBDV	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
CBDA*	18.4	184.0
CBGA	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
CBG	0.13	1.3
CBD*	0.703	7.03
THCV	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
CBN	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
d9-THC*	<loq< td=""><td><loq <="" td=""></loq></td></loq<>	<loq <="" td=""></loq>
d8-THC*	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
CBC	<loq< td=""><td><lqq< td=""></lqq<></td></loq<>	<lqq< td=""></lqq<>
THCA*	0.665	6.65
Total Cannabinoids *ORELAP Accredited Analyte		1,99.0

Limit Of Quantitation: 0.1%, analyte not measured

CBDA*

THCA*

CBG

CBD*

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Kris Ford, PhD Lab Director



Quality Control Results

Pinnacle-Analytics.com 3549 Lear Way, Suite 101 Analyst: Jeff A. Medford OR 97504

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

	Duplicate I H-0-D2119-b		LCS % Re C-FL-120623		Method BI C-FB-120623	
CBDA	9.91%	10%	97.9%	90-110%	<loq 2<="" th=""><th>LOQ/2</th></loq>	LOQ/2
CBD	8.86%	30%	102.0%	90-110%	<loq 2<="" th=""><th>LOQ/2</th></loq>	LOQ/2
d9-THC	<loq%< th=""><th>30%</th><th>102.0%</th><th>90-110%</th><th><loq 2<="" th=""><th>LOQ/2</th></loq></th></loq%<>	30%	102.0%	90-110%	<loq 2<="" th=""><th>LOQ/2</th></loq>	LOQ/2
d8-THC	<loq%< th=""><th>30%</th><th>103.0%</th><th>90-110%</th><th><loq 2<="" th=""><th>LOQ/2</th></loq></th></loq%<>	30%	103.0%	90-110%	<loq 2<="" th=""><th>LOQ/2</th></loq>	LOQ/2
THCA	7.56%	10%	92.9%	90-110%	<loq 2<="" th=""><th>LOQ/2</th></loq>	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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Kris Ford, PhD Lab Director



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13-PP-23 D2165

Pinnacle Analytics 010-101599328A3

Matrix: Hemp METRC Batch #:

Date Sampled: NA

Date Accepted: 12/07/23

Batch ID:

Batch Size:

Sampling Method/SOP: Client

				Sampling	wethod/	SOP: Client			
			Terpene	Analysis					
Date/Time Extracted:	12/12/23 0	9:13		Analysis Method/SOP: SOP.T.40.092					
Date/Time Analyzed:	12/13/23 0	1:13		Sample extracted and	analyzed at	PREE Lab - N	orth		
Analyte	LOQ (mg/g)Mass (mg/g)	Mass (%)	Analyte	LOQ (mg/	g)lass (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.



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13-PP-23 D2165

Pinnacle Analytics

010-101599328A3

Matrix: Hemp METRC Batch Package #:

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 -Camphor 3-Carene -Camphor +)-Pulegone alpha-Bisabolol alpha-Cedrene alpha-Farnesene alpha-Humulene alpha-Pinene alpha-Terpinene beta, cis- Ocimene beta-Farnesene beta-Myrcene beta-Pinene Borneol Camphene Camphor Caryophyllene Oxide Cedrol cis-Nerolidol Eucalyptol Fenchone Fenchyl Alcohol gamma-Terpinene Geraniol 6 Geranyl acetate Guaiol Hexahydrothymol Ísoboŕneol Isopulegol Limonene Linalool Nerol p-Mentha-1,5-diene Sabinene Sabinene hydrate Terpineol Terpinolene trans, beta- Ocimene trans-Caryophyllene tranś-Nerolidol Valencene 0.1 0.7 0.2 0.3 0.4 0.5 0.0 0.6

mg/g

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Laboratory Manager - 12/14/2023

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Notes and Definitions

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HIGH BIAS High analyte recovery, yet no detection of that analyte in samples.



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

Pinnacle Analytics Date Accepted: 12/07/23

010-101599328A3 Batch ID:

Matrix: Hemp METRC Batch #: 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	Туре
Acephate	0.200	0.4	< LOQ	ppm	Organophosphate insecticide
Acequinocyl	0.500	2	< LOQ	ppm	
Acetamiprid	0.100	0.2	< LOQ	ppm	Neonicotinoid instecticide
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
Flonicamid	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 insectide
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 Date Accepted: 12/07/23

010-101599328A3 Batch ID:

Matrix: Hemp METRC Batch #: 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	Туре
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.

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Pest/Myco/HM/Mirco Comp- D2164-216Date Sampled: NA

Date Accepted: 12/07/23 Pinnacle Analytics

Batch ID: 010-101599328A3

Batch Size: Matrix: Hemp METRC Batch #:

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- D2164-216Date Sampled: NA

Pinnacle Analytics Date Accepted: 12/07/23

010-101599328A3Batch ID:Matrix: HempMETRC Batch #:Batch Size:

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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Pest/Myco/HM/Mirco Comp- D2164-216Date Sampled: NA

Pinnacle Analytics

010-101599328A3

Matrix: Hemp

METRC Batch #:

Date Accepted: 12/07/23

Batch ID:

Batch Size:

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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Quality Control

Batch: C23L041 - LSOP #309 Heavy Metal Quantification

Blank(C23L0)41-BLK1)		Extracte	d: 12/11/23 10:38	Analyzed: 1	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)		Extracte	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(C2	3L041-BSD1)		Extracte	d: 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(C23L04	17-BLK1)		Extracte	ed: 12/11/2	3 15:04	15:04 Analyzed: 12/13/23 14:31			
	5		Recovery Limits	Neter	A I . f .	5		Recovery Limits	Neter
Analyte	Result	LOQ	Lillits	Notes	Analyte	Result	LOQ	Lillits	Notes
STEC E. coli	Absent	0.500 (/g)	< LOQ		Salmonella spp.	Absent	0.500 (/g)	< LOQ	

Reference(C2	23L047-SRM1)	Extracted: 12/11/23 15:04			Analyzed: 12			
Amaluta	Dogult	100	Recovery Limits	Notes	Amalusta	Result	1.00	Recovery Limits	Notes
Analyte	Result	LOQ	Lillits	Notes	Analyte	Result	LOQ	Lillito	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)		Extracte	d : 12/11/2	3 15:11	Analyzed:	12/12/23 19:31		
			Recovery					Recovery Limits	
Analyte	Result	LOQ	Limits	Notes	Analyte	Result	LOQ	Lillius	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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Quality Control

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

BLK1)		Extracte	d : 12/11/2	3 15:11	Analyzed:	12/12/23 19:31		
•		Recovery					Recovery	
Result	LOQ	Limits	Notes	Analyte	Result	LOQ	Limits	Notes
< LOQ	0.200 (ppm)	< LOQ		Flonicamid	< LOQ	0.500 (ppm)	< LOQ	
< LOQ	0.200 (ppm)	< LOQ		Hexythiazox	< LOQ	0.500 (ppm)	< LOQ	
< LOQ	0.100 (ppm)	< LOQ		Imidacloprid	< LOQ	0.200 (ppm)	< LOQ	
< LOQ	0.200 (ppm)	< LOQ		Malathion	< LOQ	0.100 (ppm)	< LOQ	
< LOQ	0.100 (ppm)	< LOQ		Methiocarb	< LOQ	0.100 (ppm)	< LOQ	
< LOQ	0.200 (ppm)	< LOQ		Methyl parathion	< LOQ	0.100 (ppm)	< LOQ	
< LOQ	0.100 (ppm)	< LOQ		MGK II	< LOQ	0.100 (ppm)	< LOQ	
< LOQ	0.100 (ppm)	< LOQ		Myclobutanil	< LOQ	0.100 (ppm)	< LOQ	
< LOQ	0.200 (ppm)	< LOQ		Oxamyl	< LOQ	0.500 (ppm)	< LOQ	
< LOQ	0.200 (ppm)	< LOQ		Permethrins (Both)	< LOQ	0.100 (ppm)	< LOQ	
< LOQ	0.100 (ppm)	< LOQ		Permethrins Trans	< LOQ	0.100 (ppm)	< LOQ	
< LOQ	0.100 (ppm)	< LOQ		Piperonyl butoxide	< LOQ	0.500 (ppm)	< LOQ	
< LOQ	0.100 (ppm)	< LOQ		Propiconazole	< LOQ	0.200 (ppm)	< LOQ	
< LOQ	0.100 (ppm)	< LOQ		Pyrethrins (All 3)	< LOQ	0.500 (ppm)	< LOQ	
< LOQ	0.500 (ppm)	< LOQ		Pyrethrins Jasmolin	< LOQ	0.500 (ppm)	< LOQ	
< LOQ	0.500 (ppm)	< LOQ		Pyridaben	< LOQ	0.100 (ppm)	< LOQ	
< LOQ	0.100 (ppm)	< LOQ		Spinosyn A	< LOQ	0.100 (ppm)	< LOQ	
< LOQ	0.100 (ppm)	< LOQ		Spiromesifen	< LOQ	0.100 (ppm)	< LOQ	
< LOQ	0.100 (ppm)	< LOQ		Spiroxamine	< LOQ	0.200 (ppm)	< LOQ	
< LOQ	0.200 (ppm)	< LOQ		Thiacloprid	< LOQ	0.100 (ppm)	< LOQ	
< LOQ	0.100 (ppm)	< LOQ		Trifloxystrobin	< LOQ	0.100 (ppm)	< LOQ	
	Result < LOQ	Result LOQ < LOQ	Result LOQ Recovery Limits < LOQ	Result LOQ Recovery Limits Notes < LOQ	Result LOQ Limits Notes Analyte < LOQ	Result LOQ Recovery Limits Notes Analyte Result < LOQ	Result LOQ Limits Notes Analyte Result LOQ < LOQ	Result LOQ Recovery Limits Analyte Result LOQ Recovery Limits < LOQ

LCS(C23L048-	BS1)		Extracte	d : 12/11/2	3 15:11	Analyzed: 12	2/12/23 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	
Bifenazate	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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PREE Laboratories - South 545 SW 2nd St, #202, Corvallis, OR 97333 541-257-5002 / OLCC 010-10087092BDA / www.PREElab.com

Quality Control

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

LCS(C23L048-	BS1)		Extracte	ed: 12/11/2	3 15:11	Analyzed: 12	2/12/23 19:46		
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Fipronil	100	(ppm)	60-120		Flonicamid	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(C23L	.048-BSD1)		Extracte	d: 12/11/2	3 15:11	Analyzed: 12	2/12/23 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	
Bifenazate	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		Flonicamid	99.2	(ppm)	60-120	
Fludioxonil	110	(ppm)	50-150		Hexythiazox	93.4	(ppm)	60-120	

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

Quality Control

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

LCS Dup(C23L	048-BSD1)		Extracte	d : 12/11/2	3 15:11	Analyzed: 12	2/12/23 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(C23L05	52-BLK1)		Extracte	Extracted: 12/12/23 09:03			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(C23L05	2-BS1)		Extract	ed: 12/12/2:	3 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
Aflatovin B1	236	(nnm)	60 120	HIGH BIAS					

LCS Dup(C2	3L052-BSD1)		Extract	ed: 12/12/2:	3 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	(nnm)	60-120	HIGH BIAS					

Notes and Definitions

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Item Definition

HIGH BIAS High analyte recovery, yet no detection of that analyte in samples.