



PINNACLE — ANALYTICS —

Potency Results

Sample Name: *Melon Gelato*
Client: VIIA Hemp
Client Batch ID:

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

Sample ID: rC-HS-128-E1915

Date Sampled: 9/11/2024

Matrix: Concentrate

Date Reported: 9/16/2024

Prep Analyst: Megan A.

Client License: N/A

Analysis Method: 0668534+1 H4 5-24-2024 #1.lcm

For R&D Purposes Only

Sampling Method: N/A

Reference Method: JCB 2009: HPLC/DAD

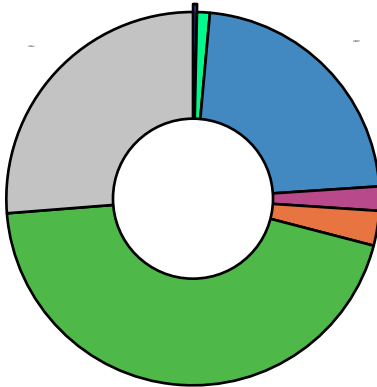
Analysis Batch: 9-12-2024 H4 128, 276, 302 Solids

Total THC (THCA*0.877+d9-THC) **43.2%**
Total CBD (CBDA*0.877+CBD) **22.5%**
Moisture Content N/A

Cannabinoid	% Weight	mg/g
CBDVA	<LOQ	<LOQ
CBDV	0.341	3.41
CBDA*	<LOQ	<LOQ
CBGA	<LOQ	<LOQ
CBG	1.11	11.1
CBD*	22.5	225.0
THCV	<LOQ	<LOQ
CBN	2.09	20.9
d9-THC*	<LOQ	<LOQ
d8-THC*	<LOQ	<LOQ
CBC	3.01	30.1
THCA*	48.7	487.0
Total Cannabinoids	77.75	778.0

*ORELAP Accredited Analyte

Limit Of Quantitation: 0.2%, analyte not measured



CBDV
 CBN
 Other
 CBG
 CBC
 CBD*
 THCA*



These test results may not be altered or reproduced except in full without the permission of Pinnacle Analytics. These results were generated following the Oregon Administrative Rules and in accordance with the NELAP Institute under ORELAP License #4152
Report generated by Routine_Potency_Rev13_8-1-2023

Kris Ford, PhD
Lab Director



PINNACLE — ANALYTICS —

Microbiology Results

Sample Name: Safety Comp- E1912-1921
Client: VIIA Hemp
Client Batch ID: N/A

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

Sample ID: rB-HS-128-E1912-1921

Date Received: 10-7-2024

Matrix: Solids

Date Reported: 10-21-2024

Prep Analyst: Megan A.

Client License: N/A

Sampling Method: N/A

450 S 3rd St

Reference Method: AOAC MG Salmonella & STEC Multiplex Assay

Jacksonville OR 97530

Analysis Method: Microbiological Contaminants Detection in Cannabis SOP Rev 2

Analysis Batch: 10-19-2024 q2 128, 535, 539 B

For R&D Purposes Only

Name	Lab ID	STEC	Salmonella
Safety Comp- E1912-1921	rB-HS-128-E1912-1921	Pass	Pass

Quality Controls

Name	Lab ID	STEC	Salmonella
Negative Control	B-IB-101924	Absent	Absent
Positive Control	B-BL-101924	Present	Present
Method Blank	B-FB-101924	Absent	Absent

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

Limit of Detection: 1 CFU



These test results may not be altered or reproduced except in full without the permission of Pinnacle Analytics. These results were generated following the Oregon Administrative Rules and in accordance with the NELAP Institute under ORELAP License #4152
Report generated by Microbio_9-15-24_Rev2

Kris Ford, PhD
Lab Director

PRE Laboratories - South
545 SW 2nd St, #202, Corvallis, OR 97333
541-257-5002 / OLCC 010-10087092BDA / www.PRElab.com
FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

Safety Comp- E1912-1921

Pinnacle Analytics
010-101599328A3

Sample ID: C241668-01

METRC Batch #:

Matrix: Extract/Concentrate

Date Sampled: 10/07/24 09:00

Date Accepted: 10/07/24

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Pesticides

Date/Time Extracted: 10/10/24 09:15

Date/Time Analyzed: 10/10/2024 1:59:00PM

Analysis Method/SOP: LSOP #307

Sample extracted and analyzed at PREE Lab - South

Analyte	LOQ	Action Level	Result	Units	Type
Acephate	0.020	0.4	< LOQ	ppm	Organophosphate insecticide
Acequinocyl	0.100	2	< LOQ	ppm	
Acetamiprid	0.020	0.2	< LOQ	ppm	Neonicotinoid insecticide
Aldicarb	0.020	0.4	< LOQ	ppm	Carbamate insecticide
Avermectin B1	0.100	0.5	< LOQ	ppm	
Azoxystrobin	0.020	0.2	< LOQ	ppm	
Bifenazate	0.020	0.2	< LOQ	ppm	Unclassified insecticide
Bifenthrin	0.100	0.2	< LOQ	ppm	
Boscalid	0.020	0.4	< LOQ	ppm	Anilide fungicide
Carbaryl	0.020	0.2	< LOQ	ppm	Carbamate insecticide
Carbofuran	0.020	0.2	< LOQ	ppm	Carbamate insecticide
Chlorantraniliprole	0.020	0.2	< LOQ	ppm	Anthranilic diamide insecticide
Chlorfenapyr	0.500	1	< LOQ	ppm	Pyrazole insecticide
Chlorpyrifos	0.020	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	0.100	1	< LOQ	ppm	
DDVP (Dichlorvos)	0.100	1	< LOQ	ppm	
Diazinon	0.020	0.2	< LOQ	ppm	Organophosphate insecticide
Dimethoate	0.020	0.2	< LOQ	ppm	
Ethoprophos	0.020	0.2	< LOQ	ppm	
Etofenprox	0.100	0.4	< LOQ	ppm	
Etoxazole	0.020	0.2	< LOQ	ppm	Unclassified miticide
Fenoxycarb	0.020	0.2	< LOQ	ppm	
Fenpyroximate	0.100	0.4	< LOQ	ppm	
Fipronil	0.020	0.4	< LOQ	ppm	Pyrazole insecticide
Fonicamid	0.020	1	< LOQ	ppm	Pyridinecarboxamide insecticide
Fludioxonil	0.100	0.4	< LOQ	ppm	non-systemic fungicide
Hexythiazox	0.020	1	< LOQ	ppm	
Imazalil	0.020	0.2	< LOQ	ppm	Azole fungicide
Imidacloprid	0.020	0.4	< LOQ	ppm	Neonicotinoid insecticide
Kresoxim-methyl	0.100	0.4	< LOQ	ppm	
Malathion	0.020	0.2	< LOQ	ppm	
Metalaxyl	0.020	0.2	< LOQ	ppm	
Methiocarb	0.020	0.2	< LOQ	ppm	Carbamate insecticide
Methomyl	0.020	0.4	< LOQ	ppm	Carbamate insecticide



Carson Newkirk
Laboratory Manager - 10/14/2024

PREE Laboratories - South
545 SW 2nd St, #202, Corvallis, OR 97333
541-257-5002 / OLCC 010-10087092BDA / www.PREElab.com
FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

Safety Comp- E1912-1921

Pinnacle Analytics
010-101599328A3

Sample ID: C241668-01

METRC Batch #:

Matrix: Extract/Concentrate

Date Sampled: 10/07/24 09:00

Date Accepted: 10/07/24

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Pesticides

Date/Time Extracted: 10/10/24 09:15

Date/Time Analyzed: 10/10/2024 1:59:00PM

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-264 (Both)	0.100	0.2	< LOQ	ppm	
Myclobutanil	0.100	0.2	< LOQ	ppm	Azole fungicide
Naled	0.020	0.5	< LOQ	ppm	
Oxamyl	0.020	1	< LOQ	ppm	Carbamate insecticide
Paclobutrazol	0.020	0.4	< LOQ	ppm	Azole plant growth regulator
Permethrins (Both)	0.100	0.2	< LOQ	ppm	
Phosmet	0.020	0.2	< LOQ	ppm	Organophosphate insecticide
Piperonyl butoxide	0.020	2	< LOQ	ppm	
Prallethrin	0.100	0.2	< LOQ	ppm	
Propiconazole	0.100	0.4	< LOQ	ppm	
Propoxur	0.020	0.2	< LOQ	ppm	Carbamate insecticide
Pyrethrins (All 3)	0.500	1	< LOQ	ppm	
Pyridaben	0.020	0.2	< LOQ	ppm	Unclassified insecticide
Spinosad (Both)	0.100	0.2	< LOQ	ppm	
Spiromesifen	0.100	0.2	< LOQ	ppm	Keto-enol insecticide
Spirotetramat	0.020	0.2	< LOQ	ppm	Keto-enol insecticide
Spiroxamine	0.020	0.4	< LOQ	ppm	Unclassified fungicide
Tebuconazole	0.020	0.4	< LOQ	ppm	
Thiacloprid	0.020	0.2	< LOQ	ppm	
Thiamethoxam	0.020	0.2	< LOQ	ppm	Neonicotinoid insectide
Trifloxystrobin	0.020	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 - 10/14/2024

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

FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

Safety Comp- E1912-1921

Pinnacle Analytics

010-101599328A3

Sample ID: C241668-01 METRC Batch #:

Matrix: Extract/Concentrate

Date Sampled: 10/07/24 09:00

Date Accepted: 10/07/24

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Residual Solvents

Analyte	LOQ	Action Level	Result	Units
Butanes	500	5000 ³	< LOQ	ppm
n-Butane	500	5000	< LOQ	ppm
iso-Butane	500	5000	< LOQ	ppm
Hexanes	87	290 ⁴	< LOQ	ppm
n-Hexane	87	290	< LOQ	ppm
2-Methylpentane	87	290	< LOQ	ppm
3-Methylpentane	87	290	< LOQ	ppm
2,2-Dimethylbutane	87	290	< LOQ	ppm
2,3-Dimethylbutane	87	290	< LOQ	ppm
Pentanes	700	5000 ⁵	< LOQ	ppm
n-Pentane	700	5000	< LOQ	ppm
iso-Pentane	700	5000	< LOQ	ppm
Neopentane	125	5000	< LOQ	ppm
Xylenes	1302	2170	< LOQ	ppm
Xylenes MP	1302	2170	< LOQ	ppm
Xylene - O	651	2170	< LOQ	ppm
2-Propanol (IPA)	1400	5000	< LOQ	ppm
Ethyl benzene	651	5000	< LOQ	ppm
Acetone	1400	5000	< LOQ	ppm
Acetonitrile	123	410	< LOQ	ppm
Benzene	0.6	2	< LOQ	ppm
Methanol	1000	3000	< LOQ	ppm
Propane	200	5000	< LOQ	ppm
Toluene	267	890	< LOQ	ppm
Dichloromethane	180	600	< LOQ	ppm
1,4-Dioxane	114	380	< LOQ	ppm
2-Butanol	1400	5000	< LOQ	ppm
2-Ethoxyethanol	48	160	< LOQ	ppm
Cumene	21	70	< LOQ	ppm
Cyclohexane	1139	3880	< LOQ	ppm
Ethyl acetate	1400	5000	< LOQ	ppm
Ethyl ether	1400	5000	< LOQ	ppm
Ethylene glycol	186	620	< LOQ	ppm
Ethylene oxide	15	50	< LOQ	ppm
Heptane	1400	5000	< LOQ	ppm
Isopropyl acetate	1400	5000	< LOQ	ppm
Tetrahydrofuran	216	720	< LOQ	ppm
Ethanol	1400	NA ⁷	< LOQ	ppm

Date/Time Extracted: 10/11/24 13:21

Date/Time Analyzed: 10/11/24 23:02

Analysis Method/SOPLSOP #311

Sample extracted and analyzed at PREE Lab - South

3 - Total butanes are calculated as sum of n-butanes (CAS# 106-97-8) and iso-butane (CAS# 75-28-5)

4 - Total hexanes are calculated as sum of n-hexane (CAS# 110-54-3), 2-methylpentane (CAS# 107-83-5), 3-methylpentane (CAS# 96-14-0), 2,2-dimethylbutane (CAS# 75-83-2), 2,3-dimethylbutane (CAS# 79-29-8)

5 - Total pentanes are calculated as sum of n-pentane (CAS# 109-66-0), iso-pentane (CAS# 78-78-4), and neo-pentane (CAS# 463-82-1)

6 - Total xylenes are calculated as 1,2-dimethylbenzene (CAS# 95-47-6), 1,3-dimethylbenzene (CAS# 106-42-3), and 1-4-dimethylbenzene (CAS# 106-42-3)

7 - Ethanol is not regulated under OAR-333-007-0410.

TIC - Tentatively Identified Compound not regulated under OAR-333-007-0410

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 - 10/14/2024

PREE Laboratories - South
545 SW 2nd St, #202, Corvallis, OR 97333
541-257-5002 / OLCC 010-10087092BDA / www.PREElab.com
FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

Safety Comp- E1912-1921

Pinnacle Analytics

010-101599328A3

Sample ID: C241668-01

Matrix: Extract/Concentrate

METRC Batch #:

Date Sampled: 10/07/24 09:00

Date Accepted: 10/07/24

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Heavy Metals Analysis

Date Extracted: 10/09/24

Date Analyzed: 10/14/24

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	0.0400	0.1	ND
Lead	0.160	0.5	ND
Cadmium	0.0800	0.2	ND
Arsenic	0.0800	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



Carson Newkirk
Laboratory Manager - 10/14/2024

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

FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES


Safety Comp- E1912-1921		Date Sampled: 10/07/24 09:00
<i>Pinnacle Analytics</i>		Date Accepted: 10/07/24
010-101599328A3		Batch ID:
Sample ID: C241668-01	METRC Batch #:	Batch Size:
Matrix: Extract/Concentrate		Sampling Method/SOP: SOP.T.20.010

Mycotoxins

Date Extracted: 10/10/24 Date Analyzed: 10/10/24 Analysis Method/SOP: LSOP #308
Sample extracted and analyzed at PREE Lab - South

Analyte	LOQ (ppb)	Action Level	Result (ppb)
Total Aflatoxins	0.0100	20	ND
Ochratoxin A	0.0100	20	ND
Aflatoxin G2	0.0100	20	ND
Aflatoxin G1	0.0100	20	ND
Aflatoxin B2	0.0100	20	ND
Aflatoxin B1	0.0100	20	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

 Carson Newkirk
Laboratory Manager - 10/14/2024

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

Quality Control

Batch: C24J071 - LSOP #309 Heavy Metal Quantification

Blank(C24J071-BLK1)			Extracted: 10/09/24 17:37			Analyzed: 10/14/24 10:13			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
Arsenic	< LOQ	0.0800 (ug/g)	< LOQ		Lead	< LOQ	0.160 (ug/g)	< LOQ	
Mercury	< LOQ	0.0400 (ug/g)	< LOQ		Cadmium	< LOQ	0.0800 (ug/g)	< LOQ	

LCS(C24J071-BS1)			Extracted: 10/09/24 17:37			Analyzed: 10/14/24 10:18			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Arsenic	106	0.0800 (ug/g)	80-115		Lead	104	0.160 (ug/g)	80-115	
Mercury	105	0.0400 (ug/g)	80-115		Cadmium	104	0.0800 (ug/g)	80-115	

LCS Dup(C24J071-BSD1)			Extracted: 10/09/24 17:37			Analyzed: 10/14/24 11:44			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Arsenic	100	0.0800 (ug/g)	80-115		Lead	100	0.160 (ug/g)	80-115	
Mercury	99.0	0.0400 (ug/g)	80-115		Cadmium	98.3	0.0800 (ug/g)	80-115	

Batch: C24J077 - COR- PE/MY Combo Method

Blank(C24J077-BLK1)			Extracted: 10/10/24 09:15			Analyzed: 10/10/24 13:28			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
Acephate	< LOQ	0.020 (ppm)	< LOQ		Ochratoxin A	< LOQ	0.0100 (ppb)	< LOQ	
Acequinocyl	< LOQ	0.100 (ppm)	< LOQ		Aflatoxin G2	< LOQ	0.0100 (ppb)	< LOQ	
Acetamidrid	< LOQ	0.020 (ppm)	< LOQ		Aflatoxin G1	< LOQ	0.0100 (ppb)	< LOQ	
Aflatoxin B2	< LOQ	0.0100 (ppb)	< LOQ		Aldicarb	< LOQ	0.020 (ppm)	< LOQ	
Aflatoxin B1	< LOQ	0.0100 (ppb)	< LOQ		Avermectin B1	< LOQ	0.100 (ppm)	< LOQ	
Azoxystrobin	< LOQ	0.020 (ppm)	< LOQ		Total Aflatoxins	< LOQ	0.0100 (ppb)	< LOQ	
Bifenazate	< LOQ	0.020 (ppm)	< LOQ		Bifenthrin	< LOQ	0.100 (ppm)	< LOQ	
Boscalid	< LOQ	0.020 (ppm)	< LOQ		Carbaryl	< LOQ	0.020 (ppm)	< LOQ	
Carbofuran	< LOQ	0.020 (ppm)	< LOQ		Chlorantraniliprole	< LOQ	0.020 (ppm)	< LOQ	
Chlorfenapyr	< LOQ	0.500 (ppm)	< LOQ		Chlorpyrifos	< LOQ	0.020 (ppm)	< LOQ	
Clofentezine	< LOQ	0.100 (ppm)	< LOQ		Cyfluthrin	< LOQ	0.500 (ppm)	< LOQ	
Cypermethrin	< LOQ	0.500 (ppm)	< LOQ		Daminozide	< LOQ	0.100 (ppm)	< LOQ	
DDVP (Dichlorvos)	< LOQ	0.100 (ppm)	< LOQ		Diazinon	< LOQ	0.020 (ppm)	< LOQ	
Dimethoate	< LOQ	0.020 (ppm)	< LOQ		Ethoprophos	< LOQ	0.020 (ppm)	< LOQ	
Etofenprox	< LOQ	0.100 (ppm)	< LOQ		Etoxazole	< LOQ	0.020 (ppm)	< LOQ	
Fenoxycarb	< LOQ	0.020 (ppm)	< LOQ		Fenpyroximate	< LOQ	0.100 (ppm)	< LOQ	
Fipronil	< LOQ	0.020 (ppm)	< LOQ		Flonicamid	< LOQ	0.020 (ppm)	< LOQ	
Fludioxonil	< LOQ	0.100 (ppm)	< LOQ		Hexythiazox	< LOQ	0.020 (ppm)	< LOQ	
Imazalil	< LOQ	0.020 (ppm)	< LOQ		Imidacloprid	< LOQ	0.020 (ppm)	< LOQ	
Kresoxim-methyl	< LOQ	0.100 (ppm)	< LOQ		Malathion	< LOQ	0.020 (ppm)	< LOQ	
Metalaxyl	< LOQ	0.020 (ppm)	< LOQ		Methiocarb	< LOQ	0.020 (ppm)	< LOQ	
Methomyl	< LOQ	0.020 (ppm)	< LOQ		Methyl parathion	< LOQ	0.100 (ppm)	< LOQ	



Carson Newkirk
Laboratory Manager - 10/14/2024

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

Quality Control

Batch: C24J077 - COR- PE/MY Combo Method (Continued)

Blank(C24J077-BLK1)			Extracted: 10/10/24 09:15			Analyzed: 10/10/24 13:28			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
MGK-264 (Both)	< LOQ	0.100 (ppm)	< LOQ		Myclobutanil	< LOQ	0.100 (ppm)	< LOQ	
Naled	< LOQ	0.020 (ppm)	< LOQ		Oxamyl	< LOQ	0.020 (ppm)	< LOQ	
Paclobutrazol	< LOQ	0.020 (ppm)	< LOQ		Permethrins (Both)	< LOQ	0.100 (ppm)	< LOQ	
Phosmet	< LOQ	0.020 (ppm)	< LOQ		Piperonyl butoxide	< LOQ	0.020 (ppm)	< LOQ	
Prallethrin	< LOQ	0.100 (ppm)	< LOQ		Propiconazole	< LOQ	0.100 (ppm)	< LOQ	
Propoxur	< LOQ	0.020 (ppm)	< LOQ		Pyrethrins (All 3)	< LOQ	0.500 (ppm)	< LOQ	
Pyridaben	< LOQ	0.020 (ppm)	< LOQ		Spinosad (Both)	< LOQ	0.100 (ppm)	< LOQ	
Spiromesifen	< LOQ	0.100 (ppm)	< LOQ		Spirotetramat	< LOQ	0.020 (ppm)	< LOQ	
Spiroxamine	< LOQ	0.020 (ppm)	< LOQ		Tebuconazole	< LOQ	0.020 (ppm)	< LOQ	
Thiacloprid	< LOQ	0.020 (ppm)	< LOQ		Thiamethoxam	< LOQ	0.020 (ppm)	< LOQ	
Trifloxystrobin	< LOQ	0.020 (ppm)	< LOQ						

LCS(C24J077-BS1)			Extracted: 10/10/24 09:15			Analyzed: 10/10/24 13:43			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Acephate	133	(ppm)	60-120	HIGH BIAS	Ochratoxin A	104	(ppb)	60-120	
Acequinocyl	118	(ppm)	40-160		Aflatoxin G2	97.3	(ppb)	60-120	
Acetamidrid	118	(ppm)	60-120		Aflatoxin G1	107	(ppb)	60-120	
Aflatoxin B2	103	(ppb)	60-120		Aldicarb	125	(ppm)	60-120	HIGH BIAS
Aflatoxin B1	104	(ppb)	60-120		Avermectin B1	126	(ppm)	50-150	
Azoxystrobin	121	(ppm)	60-120	HIGH BIAS	Bifenazate	123	(ppm)	60-120	HIGH BIAS
Bifenthrin	94.0	(ppm)	50-150		Boscalid	115	(ppm)	60-120	
Carbaryl	124	(ppm)	60-120	HIGH BIAS	Carbofuran	114	(ppm)	60-120	
Chlorantraniliprole	112	(ppm)	60-120		Chlorfenapyr	110	(ppm)	60-120	
Chlorpyrifos	118	(ppm)	60-120		Clofentezine	106	(ppm)	60-120	
Cyfluthrin	105	(ppm)	50-150		Cypermethrin	109	(ppm)	50-150	
Daminozide	107	(ppm)	60-120		DDVP (Dichlorvos)	119	(ppm)	60-120	
Diazinon	122	(ppm)	60-120	HIGH BIAS	Dimethoate	121	(ppm)	60-120	HIGH BIAS
Ethoprophos	123	(ppm)	60-120	HIGH BIAS	Etofenprox	116	(ppm)	50-150	
Etoxazole	113	(ppm)	60-120		Fenoxycarb	107	(ppm)	60-120	
Fenpyroximate	112	(ppm)	60-120		Fipronil	115	(ppm)	60-120	
Flonicamid	118	(ppm)	60-120		Fludioxonil	129	(ppm)	50-150	
Hexythiazox	117	(ppm)	60-120		Imazalil	107	(ppm)	60-120	
Imidacloprid	126	(ppm)	60-120	HIGH BIAS	Kresoxim-methyl	128	(ppm)	60-120	HIGH BIAS
Malathion	125	(ppm)	60-120	HIGH BIAS	Metalaxyl	123	(ppm)	60-120	HIGH BIAS
Methiocarb	129	(ppm)	60-120	HIGH BIAS	Methomyl	127	(ppm)	60-120	HIGH BIAS
Methyl parathion	117	(ppm)	50-150		MGK I	109	(ppm)	50-150	
MGK II	112	(ppm)	50-150		Myclobutanil	110	(ppm)	60-120	



Carson Newkirk
Laboratory Manager - 10/14/2024

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

Quality Control

Batch: C24J077 - COR- PE/MY Combo Method (Continued)

LCS(C24J077-BS1)			Extracted: 10/10/24 09:15			Analyzed: 10/10/24 13:43			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Naled	118	(ppm)	50-150		Oxamyl	122	(ppm)	60-120	HIGH BIAS
Paclobutrazol	111	(ppm)	60-120		Permethrins Cis	111	(ppm)	50-150	
Permethrins Trans	105	(ppm)	50-150		Phosmet	126	(ppm)	50-150	
Piperonyl butoxide	123	(ppm)	60-120	HIGH BIAS	Prallethrin	112	(ppm)	60-120	
Propiconazole	107	(ppm)	60-120		Propoxur	114	(ppm)	60-120	
Pyrethrins Cinerin	112	(ppm)	60-120		Pyrethrins Jasmolin	114	(ppm)	60-120	
Pyrethrins Pyrethrin	108	(ppm)	60-120		Pyridaben	118	(ppm)	50-150	
Spinosyn A	119	(ppm)	50-150		Spinosyn D	120	(ppm)	50-150	
Spiromesifen	130	(ppm)	60-120	HIGH BIAS	Spirotetramat	117	(ppm)	60-120	
Spiroxamine	121	(ppm)	60-120	HIGH BIAS	Tebuconazole	110	(ppm)	60-120	
Thiacloprid	120	(ppm)	60-120		Thiamethoxam	130	(ppm)	60-120	HIGH BIAS
Trifloxystrobin	120	(ppm)	60-120						

LCS Dup(C24J077-BSD1)			Extracted: 10/10/24 09:15			Analyzed: 10/10/24 16:46			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
Acephate	131	(ppm)	60-120	BSDRPD	Ochratoxin A	131	(ppb)	60-120	MSDRPD
Acequinocyl	109	(ppm)	40-160		Aflatoxin G2	114	(ppb)	60-120	
Acetamiprid	130	(ppm)	60-120	BSDRPD	Aflatoxin G1	137	(ppb)	60-120	MSDRPD
Aflatoxin B2	122	(ppb)	60-120	BSDRPD	Aldicarb	124	(ppm)	60-120	BSDRPD
Aflatoxin B1	124	(ppb)	60-120	BSDRPD	Avermectin B1	131	(ppm)	50-150	
Azoxystrobin	146	(ppm)	60-120	BSDRPD	Bifenazate	134	(ppm)	60-120	BSDRPD
Bifenthrin	108	(ppm)	50-150		Boscalid	130	(ppm)	60-120	BSDRPD
Carbaryl	143	(ppm)	60-120	BSDRPD	Carbofuran	136	(ppm)	60-120	BSDRPD
Chlorantraniliprole	152	(ppm)	60-120	MSDRPD	Chlorfenapyr	125	(ppm)	60-120	BSDRPD
Chlorpyrifos	119	(ppm)	60-120		Clofentezine	128	(ppm)	60-120	BSDRPD
Cyfluthrin	121	(ppm)	50-150		Cypermethrin	119	(ppm)	50-150	
Daminozide	110	(ppm)	60-120		DDVP (Dichlorvos)	129	(ppm)	60-120	BSDRPD
Diazinon	124	(ppm)	60-120	BSDRPD	Dimethoate	132	(ppm)	60-120	BSDRPD
Ethoprophos	131	(ppm)	60-120	BSDRPD	Etofenprox	130	(ppm)	50-150	
Etoxazole	118	(ppm)	60-120		Fenoxycarb	133	(ppm)	60-120	BSDRPD
Fenpyroximate	117	(ppm)	60-120		Fipronil	131	(ppm)	60-120	BSDRPD
Flonicamid	144	(ppm)	60-120	BSDRPD	Fludioxonil	145	(ppm)	50-150	
Hexythiazox	121	(ppm)	60-120	BSDRPD	Imazalil	139	(ppm)	60-120	BSDRPD
Imidacloprid	141	(ppm)	60-120	BSDRPD	Kresoxim-methyl	127	(ppm)	60-120	BSDRPD
Malathion	135	(ppm)	60-120	BSDRPD	Metalaxyl	143	(ppm)	60-120	BSDRPD
Methiocarb	132	(ppm)	60-120	BSDRPD	Methomyl	129	(ppm)	60-120	BSDRPD
Methyl parathion	127	(ppm)	50-150		MGK I	129	(ppm)	50-150	



Carson Newkirk
Laboratory Manager - 10/14/2024

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

Quality Control

Batch: C24J077 - COR- PE/MY Combo Method (Continued)

LCS Dup(C24J077-BSD1)			Extracted: 10/10/24 09:15			Analyzed: 10/10/24 16:46			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
MGK II	125	(ppm)	50-150		Myclobutanil	139	(ppm)	60-120	BSDRPD
Naled	141	(ppm)	50-150		Oxamyl	139	(ppm)	60-120	BSDRPD
Paclobutrazol	141	(ppm)	60-120	BSDRPD	Permethrins Cis	121	(ppm)	50-150	
Permethrins Trans	118	(ppm)	50-150		Phosmet	141	(ppm)	50-150	
Piperonyl butoxide	123	(ppm)	60-120	BSDRPD	Prallethrin	127	(ppm)	60-120	BSDRPD
Propiconazole	124	(ppm)	60-120	BSDRPD	Propoxur	134	(ppm)	60-120	BSDRPD
Pyrethrins Cinerin	128	(ppm)	60-120	BSDRPD	Pyrethrins Jasmolin	124	(ppm)	60-120	BSDRPD
Pyrethrins Pyrethrin	120	(ppm)	60-120		Pyridaben	128	(ppm)	50-150	
Spinosyn A	132	(ppm)	50-150		Spinosyn D	136	(ppm)	50-150	
Spiromesifen	116	(ppm)	60-120		Spirotetramat	134	(ppm)	60-120	BSDRPD
Spiroxamine	134	(ppm)	60-120	BSDRPD	Tebuconazole	131	(ppm)	60-120	BSDRPD
Thiacloprid	138	(ppm)	60-120	BSDRPD	Thiamethoxam	153	(ppm)	60-120	BSDRPD
Trifloxystrobin	126	(ppm)	60-120	BSDRPD					

Batch: C24J091 - LSOP #311 Residual Solvent Analysis by GCMS

Blank(C24J091-BLK1)			Extracted: 10/11/24 13:21			Analyzed: 10/11/24 18:41			
Analyte	Result	LOQ	Recovery Limits	Notes	Analyte	Result	LOQ	Recovery Limits	Notes
Butanes	< LOQ	500 (ppm)	< LOQ		n-Butane	< LOQ	500 (ppm)	< LOQ	
iso-Butane	< LOQ	500 (ppm)	< LOQ		Hexanes	< LOQ	87 (ppm)	< LOQ	
n-Hexane	< LOQ	87 (ppm)	< LOQ		2-Methylpentane	< LOQ	87 (ppm)	< LOQ	
3-Methylpentane	< LOQ	87 (ppm)	< LOQ		2,2-Dimethylbutane	< LOQ	87 (ppm)	< LOQ	
2,3-Dimethylbutane	< LOQ	87 (ppm)	< LOQ		Pentanes	< LOQ	700 (ppm)	< LOQ	
n-Pentane	< LOQ	700 (ppm)	< LOQ		iso-Pentane	< LOQ	700 (ppm)	< LOQ	
Neopentane	< LOQ	125 (ppm)	< LOQ		Xylenes	< LOQ	1302 (ppm)	< LOQ	
Xylenes MP	< LOQ	1302 (ppm)	< LOQ		Xylene - O	< LOQ	651 (ppm)	< LOQ	
2-Propanol (IPA)	< LOQ	1400 (ppm)	< LOQ		Ethyl benzene	< LOQ	651 (ppm)	< LOQ	
Acetone	< LOQ	1400 (ppm)	< LOQ		Acetonitrile	< LOQ	123 (ppm)	< LOQ	
Benzene	< LOQ	0.6 (ppm)	< LOQ		Methanol	< LOQ	1000 (ppm)	< LOQ	
Propane	< LOQ	200 (ppm)	< LOQ		Toluene	< LOQ	267 (ppm)	< LOQ	
Dichloromethane	< LOQ	180 (ppm)	< LOQ		1,4-Dioxane	< LOQ	114 (ppm)	< LOQ	
2-Butanol	< LOQ	1400 (ppm)	< LOQ		2-Ethoxyethanol	< LOQ	48 (ppm)	< LOQ	
Cumene	< LOQ	21 (ppm)	< LOQ		Cyclohexane	< LOQ	1139 (ppm)	< LOQ	
Ethyl acetate	< LOQ	1400 (ppm)	< LOQ		Ethyl ether	< LOQ	1400 (ppm)	< LOQ	
Ethylene glycol	< LOQ	186 (ppm)	< LOQ		Ethylene oxide	< LOQ	15 (ppm)	< LOQ	
Heptane	< LOQ	1400 (ppm)	< LOQ		Isopropyl acetate	< LOQ	1400 (ppm)	< LOQ	
Tetrahydrofuran	< LOQ	216 (ppm)	< LOQ		Ethanol	< LOQ	1400 (ppm)	< LOQ	



Carson Newkirk
Laboratory Manager - 10/14/2024

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

Quality Control

Batch: C24J091 - LSOP #311 Residual Solvent Analysis by GCMS (Continued)

LCS(C24J091-BS1)			Extracted: 10/11/24 13:21			Analyzed: 10/11/24 19:10			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
n-Butane	78.0	(ppm)	60-120		iso-Butane	79.9	(ppm)	60-120	
n-Hexane	105	(ppm)	60-120		2-Methylpentane	105	(ppm)	60-120	
3-Methylpentane	103	(ppm)	60-120		2,2-Dimethylbutane	104	(ppm)	60-120	
2,3-Dimethylbutane	104	(ppm)	60-120		n-Pentane	101	(ppm)	60-120	
iso-Pentane	98.0	(ppm)	60-120		Neopentane	82.6	(ppm)	60-120	
Xylenes MP	102	(ppm)	60-120		2-Propanol (IPA)	110	(ppm)	60-120	
Ethyl benzene	103	(ppm)	60-120		Acetone	111	(ppm)	60-120	
Acetonitrile	105	(ppm)	60-120		Benzene	111	(ppm)	60-120	
Methanol	105	(ppm)	60-120		Propane	77.1	(ppm)	60-120	
Toluene	99.3	(ppm)	60-120		Dichloromethane	108	(ppm)	60-120	
1,4-Dioxane	105	(ppm)	60-120		2-Butanol	105	(ppm)	60-120	
2-Ethoxyethanol	105	(ppm)	60-120		Cumene	98.7	(ppm)	60-120	
Cyclohexane	105	(ppm)	60-120		Ethyl acetate	106	(ppm)	60-120	
Ethyl ether	103	(ppm)	60-120		Ethylene glycol	98.3	(ppm)	60-120	
Ethylene oxide	101	(ppm)	60-120		Heptane	105	(ppm)	60-120	
Isopropyl acetate	105	(ppm)	60-120		Tetrahydrofuran	107	(ppm)	60-120	

LCS(C24J091-BS2)			Extracted: 10/11/24 13:21			Analyzed: 10/11/24 20:08			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
n-Butane		500 (ppm)	60-120		iso-Butane		500 (ppm)	60-120	
n-Hexane		87 (ppm)	60-120		2-Methylpentane		87 (ppm)	60-120	
3-Methylpentane		87 (ppm)	60-120		2,2-Dimethylbutane		87 (ppm)	60-120	
2,3-Dimethylbutane		87 (ppm)	60-120		n-Pentane		700 (ppm)	60-120	
iso-Pentane		700 (ppm)	60-120		Neopentane		125 (ppm)	60-120	
Xylenes MP		1302 (ppm)	60-120		2-Propanol (IPA)		1400 (ppm)	60-120	
Ethyl benzene		651 (ppm)	60-120		Acetone		1400 (ppm)	60-120	
Acetonitrile		123 (ppm)	60-120		Benzene		0.6 (ppm)	60-120	
Methanol		1000 (ppm)	60-120		Propane	88.2	(ppm)	60-120	
Toluene		267 (ppm)	60-120		Dichloromethane		180 (ppm)	60-120	
1,4-Dioxane		114 (ppm)	60-120		2-Butanol		1400 (ppm)	60-120	
2-Ethoxyethanol		48 (ppm)	60-120		Cumene		21 (ppm)	60-120	
Cyclohexane		1139 (ppm)	60-120		Ethyl acetate		1400 (ppm)	60-120	
Ethyl ether		1400 (ppm)	60-120		Ethylene glycol		186 (ppm)	60-120	
Ethylene oxide		15 (ppm)	60-120		Heptane		1400 (ppm)	60-120	
Isopropyl acetate		1400 (ppm)	60-120		Tetrahydrofuran		216 (ppm)	60-120	



Carson Newkirk
Laboratory Manager - 10/14/2024

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

Quality Control

Batch: C24J091 - LSOP #311 Residual Solvent Analysis by GCMS (Continued)

LCS Dup(C24J091-BSD1)			Extracted: 10/11/24 13:21			Analyzed: 10/11/24 19:39			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
n-Butane	77.3	(ppm)	60-120		iso-Butane	80.7	(ppm)	60-120	
n-Hexane	101	(ppm)	60-120		2-Methylpentane	102	(ppm)	60-120	
3-Methylpentane	101	(ppm)	60-120		2,2-Dimethylbutane	101	(ppm)	60-120	
2,3-Dimethylbutane	102	(ppm)	60-120		n-Pentane	99.7	(ppm)	60-120	
iso-Pentane	95.8	(ppm)	60-120		Neopentane	82.5	(ppm)	60-120	
Xylenes MP	98.0	(ppm)	60-120		2-Propanol (IPA)	104	(ppm)	60-120	
Ethyl benzene	99.3	(ppm)	60-120		Acetone	107	(ppm)	60-120	
Acetonitrile	102	(ppm)	60-120		Benzene	103	(ppm)	60-120	
Methanol	101	(ppm)	60-120		Propane	77.4	(ppm)	60-120	
Toluene	96.6	(ppm)	60-120		Dichloromethane	105	(ppm)	60-120	
1,4-Dioxane	103	(ppm)	60-120		2-Butanol	100	(ppm)	60-120	
2-Ethoxyethanol	101	(ppm)	60-120		Cumene	92.8	(ppm)	60-120	
Cyclohexane	101	(ppm)	60-120		Ethyl acetate	103	(ppm)	60-120	
Ethyl ether	99.9	(ppm)	60-120		Ethylene glycol	88.8	(ppm)	60-120	
Ethylene oxide	97.0	(ppm)	60-120		Heptane	101	(ppm)	60-120	
Isopropyl acetate	100	(ppm)	60-120		Tetrahydrofuran	103	(ppm)	60-120	

LCS Dup(C24J091-BSD2)			Extracted: 10/11/24 13:21			Analyzed: 10/11/24 20:37			
Analyte	% Recovery	LOQ	Recovery Limits	Notes	Analyte	% Recovery	LOQ	Recovery Limits	Notes
n-Butane		500 (ppm)	60-120		iso-Butane		500 (ppm)	60-120	
n-Hexane		87 (ppm)	60-120		2-Methylpentane		87 (ppm)	60-120	
3-Methylpentane		87 (ppm)	60-120		2,2-Dimethylbutane		87 (ppm)	60-120	
2,3-Dimethylbutane		87 (ppm)	60-120		n-Pentane		700 (ppm)	60-120	
iso-Pentane		700 (ppm)	60-120		Neopentane		125 (ppm)	60-120	
Xylenes MP		1302 (ppm)	60-120		2-Propanol (IPA)		1400 (ppm)	60-120	
Ethyl benzene		651 (ppm)	60-120		Acetone		1400 (ppm)	60-120	
Acetonitrile		123 (ppm)	60-120		Benzene		0.6 (ppm)	60-120	
Methanol		1000 (ppm)	60-120		Propane	86.5	(ppm)	60-120	
Toluene		267 (ppm)	60-120		Dichloromethane		180 (ppm)	60-120	
1,4-Dioxane		114 (ppm)	60-120		2-Butanol		1400 (ppm)	60-120	
2-Ethoxyethanol		48 (ppm)	60-120		Cumene		21 (ppm)	60-120	
Cyclohexane		1139 (ppm)	60-120		Ethyl acetate		1400 (ppm)	60-120	
Ethyl ether		1400 (ppm)	60-120		Ethylene glycol		186 (ppm)	60-120	
Ethylene oxide		15 (ppm)	60-120		Heptane		1400 (ppm)	60-120	
Isopropyl acetate		1400 (ppm)	60-120		Tetrahydrofuran		216 (ppm)	60-120	

Notes and Definitions



Carson Newkirk
Laboratory Manager - 10/14/2024

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

Item	Definition
BSDRPD	Duplicate recovery not applicable as sample only assessed for RPD <20%
HIGH BIAS	High analyte recovery, yet no detection of that analyte in samples.
MSDRPD	RPD between MS/MSD is greater than 20%, yet no detections of the applicable analytes in samples.



Carson Newkirk
Laboratory Manager - 10/14/2024

Page 12 of 12



PINNACLE — ANALYTICS —

Quality Control Results

Analyst: Megan A.

Analysis Batch: 9-12-2024 H4 128, 276, 302 Solids

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

	Duplicate RPD		LCS % Recovery		Method Blank	
	HS-0-E1911-b	Limit	C-SL-091224	Limits	C-SB-091224	Limit
CBDA	<LOQ%	30%	101.0%	90-110%	<LOQ/2	LOQ/2
CBD	0.556%	10%	107.0%	90-110%	<LOQ/2	LOQ/2
d9-THC	0.0626%	10%	109.0%	90-110%	<LOQ/2	LOQ/2
d8-THC	<LOQ%	30%	103.0%	90-110%	<LOQ/2	LOQ/2
THCA	1.55%	10%	101.0%	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.



These test results may not be altered or reproduced except in full without the permission of Pinnacle Analytics. These results were generated following the Oregon Administrative Rules and in accordance with the NELAP Institute under ORELAP License #4152 Report generated by Routine_Potency_Rev13_8-1-2023

Kris Ford, PhD
Lab Director