Report: COA Evaluation Summary

OLCC License No. 10087092BDA | ORELAP ID. 4147
545 SW 2nd Street. Corvallis OR. 97333 | 541.257.5002 | services@preelab.com | Preelab.com

PREE LABORATORIES

For OLCC/OHA Compliance Purposes.

Product Description

Client: **GVB Oregon**

Product Name: **9.8.20 CBD-ISO Batch #8285 Dup**

Process Lot: Batch #8285
Matrix: Hemp Concentrate
Metrc Source ID: n/a
Metrc Package ID: n/a
License Number: n/a
Report ID: A2098-02
Date Collected: 2020-09-08
Date Received: 2020-09-08
Report Date: 2020-09-14

Tests Requested: Cannabinoid Potency Analysis
Pesticide Analysis
Residual Solvent Analysis

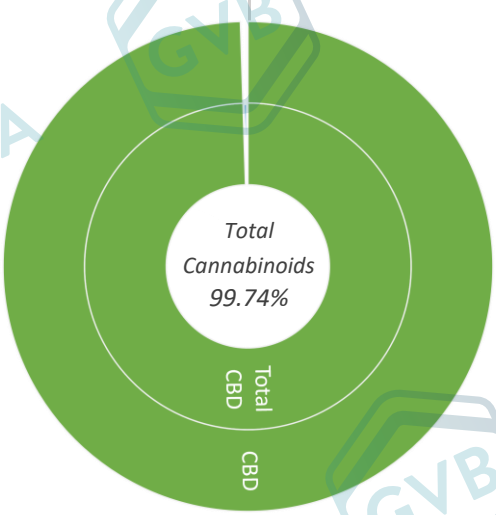
9.8.20 CBD-ISO Batch #8285 Dup

Evaluation Summary

Moisture Analysis	|	Test Not Required

Total THC *
< LOQ
< LOQ

Total CBD *
99.25 %
992.5 mg/g



Cannabinoid Potency Analysis	Abrv.	Dry Wt. %	Dry Wt. mg/g
	THCA	< LOQ	< LOQ
	Δ-9-THC	< LOQ	< LOQ
	Δ-8-THC	< LOQ	< LOQ
	THCV	< LOQ	< LOQ
	CBDA	< LOQ	< LOQ
	CBD	99.25 %	992.5 mg/g
	CBGA	< LOQ	< LOQ
	CBG	< LOQ	< LOQ
	CBDVA	< LOQ	< LOQ
	CBDV	0.49 %	4.9 mg/g
	CBN	< LOQ	< LOQ
	CBL	< LOQ	< LOQ
	CBC	< LOQ	< LOQ

* moisture compensated & adjusted for the loss of carboxylic acid group - OAR 333-064-0100

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For OLCC/OHA Compliance Purposes.

This certificate of analysis is prepared for…

GVB Oregon
2490 Ewald Ave SE Salem, OR 97302

This report presents the analytical findings for the sample collected on 2020-09-08 by Robert Vingelen using sampling plan A2098 and received by PREE Laboratory on 2020-09-08. The sample was assigned a laboratory ID of A2098-02. The results in this report only apply to sample A2098-02.

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The testing methods used are of sufficient sensitivity to meet the compliance criteria set in OAR 333-007. However, it is the responsibility of the client to utilize the data to comply with standards set in OAR 333-007.

All analyses were performed in accordance with PREE Laboratory's NELAP/TNI approved quality control system and all quality control data was within the laboratory's predefined acceptance criteria unless otherwise noted in the case narrative of this report. General comments are also recorded below.

Notes:
No special conditions were noted during the processing and testing of the sample.

Sardar, Tamzid M. | Laboratory Director
Corvallis, Oregon

If you have any questions regarding the information in this report, please feel free to call 541-257-5002 or email PREE at services@preelab.com.

Report: Evaluation Detail

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PREE LABORATORIES

For OLCC/OHA Compliance Purposes.

Moisture Analysis

Evaluation Detail

Moisture Analysis	Test Not Requested/Required

Cannabinoid Potency Analysis

Product Name: **9.8.20 CBD-ISO Batch #8285 Dup**

Analysis Date: 2020-09-09

Testing Batch ID: V789,788,787

Testing Method: *LSOP #303 Cannabinoid Quantification*

Evaluation Detail

Cannabinoid Potency Analysis	Compound	Abrv.	Dry Wt. (%)	Dry Wt. (mg/g)	RL (%)
Total THC *	Tetrahydro-cannabinolic acid	THCA	< LOQ	< LOQ	0.1 %
< LOQ	Delta9 Tetrahydro-cannabinol	Δ-9-THC	< LOQ	< LOQ	0.1 %
< LOQ	Delta8 Tetrahydro-cannabinol	Δ-8-THC	< LOQ	< LOQ	0.1 %
	Tetrahydrocannabivarin	THCV	< LOQ	< LOQ	0.1 %
Total CBD *	Cannabidiolic acid	CBDA	< LOQ	< LOQ	0.1 %
99.25 %	Cannabidiol	CBD	99.25 %	992.5	0.1 %
992.5 mg/g	Cannabigerolic acid	CBGA	< LOQ	< LOQ	0.1 %
	Cannabigerol	CBG	< LOQ	< LOQ	0.1 %
	Cannabidivarinic acid	CBDVA	< LOQ	< LOQ	0.1 %
	Cannabidivarin	CBDV	0.49 %	4.9	0.1 %
	Cannabinol	CBN	< LOQ	< LOQ	0.1 %
	Cannabicyclol	CBL	< LOQ	< LOQ	0.1 %
	Cannabichromene	CBC	< LOQ	< LOQ	0.1 %

Note: Accreditation for Δ-8-THC, THCV, CBGA,CBG, CBDVA, CBDV, CBL, CBC is not offered by ORELAP and therefore are not accredited tests.

* moisture compensated & adjusted for the loss of carboxylic acid group - OAR 333-064-0100

Report: Quality Check

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For OLCC/OHA Compliance Purposes.

Moisture Analysis

Quality Control Detail

Moisture Analysis	
Test Not Requested/Required	

Cannabinoid Potency Analysis

Analysis Date: 2020-09-09

Testing Batch ID: V789,788,787

Quality Control Detail

Cannabinoid Potency Analysis	MB	LCS	Expected Value (%)	Tested Value (%)	Pass Criteria
Tetrahydro-cannabinolic acid	o		< 0.1%	< 0.1%	< 0.1%
Delta9 Tetrahydro-cannabinol	o		< 0.1%	< 0.1%	< 0.1%
Cannabidiolic acid	o		< 0.1%	< 0.1%	< 0.1%
Cannabidiol	o		< 0.1%	< 0.1%	< 0.1%
Cannabinol	o		< 0.1%	< 0.1%	< 0.1%
Tetrahydro-cannabinolic acid		•	100.0%	96.9%	80-120%
Delta9 Tetrahydro-cannabinol		•	100.0%	97.1%	80-120%
Cannabidiolic acid		•	100.0%	96.8%	80-120%
Cannabidiol		•	100.0%	99.4%	80-120%
Cannabinol		•	100.0%	97.7%	80-120%

Note: Accreditation for Δ-8-THC, THCV, CBGA,CBG, CBDVA, CBDV, CBL, CBC is not offered by ORELAP and therefore are not accredited tests.

Definitions

- Limit of Quantitation (LOQ): The minimum level, concentration, or quantity of a target analyte that can be reported with a specific degree of confidence.
- Method Blank (MB): A quality control sample that is free of the analyte being measured.
- Laboratory Control Sample (LCS): A quality control sample with a known amount of the analyte used to demonstrate accuracy.
- Field Duplicate: A second sample collected in the field using the same sampling method as the primary sample.
- Action Limit: Analyte levels set by the state of Oregon (OAR 333-007) indicating that follow-up action is necessary.
- ppm: parts per million, equivalent to 1 µg/g and 1 µg/L or 0.001 mg/g and 0.001 mg/L
- COA: Certificate of Analysis.

Calculations

- Cannabinoid Potency :

  Wet WT% = (Exported concentration ppm) x (Dilution) x (Extraction Vol./Wet wt mg) x 100
  Total THC% = (%THCA) x 0.877 + (%THC)
  Total CBD% = (%CBDA) x 0.877 + (%CBD)
  Total THC (Dry WT)% = % total THC(wet) / [1-(% moisture/100)]
  Total CBD (Dry WT)% = % total CBD(wet) / [1-(% moisture/100)]

- Percentage Recovery :

  % Rec. = [(Amount measured) / (Known amount)] * 100

Report: Evaluation Summary

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Product Description

Client: **GVB Oregon**

Product Name: **9.8.20 CBD-ISO Batch #8285 Dup**

Matrix: Hemp Concentrate
Metrc Source ID: n/a
Metrc Package ID: n/a
License Number: n/a
Report ID: A2098-02
Date Collected: 2020-09-08
Date Received: 2020-09-08
Report Date: 2020-09-14

Tests Requested: Cannabinoid Potency Analysis
Pesticide Analysis
Residual Solvent Analysis

Notes: No special conditions were noted during the processing and testing of the sample.

Evaluation Summary

Pesticide Analysis	Pesticide Status
	No Pesticides Were Detected above Oregon's action limit as stated in OAR 333-007-0400.

Report: Dear Customer

OLCC License No. 10087092BDA | ORELAP ID. 4147
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Dear GVB Oregon,

PREE Laboratory received samples on 2020-09-08, which were collected on 2020-09-08 by Robert Vingelen. The results in this report are only applicable for the samples listed in this report.

All analyses were performed in accordance with PREE Laboratory NELAP/TNI approved quality control system unless otherwise noted in the case narrative of this report. All quality control data is within the laboratory's predefined acceptance criteria unless otherwise noted in the case narrative of this report.

The testing methods used are of sufficient sensitivity to meet the compliance criteria set in OAR 333-007, however it is the responsibility of the client to utilize the data to comply with standards set in OAR 333-007.

If you have any questions regarding information in this report, please feel free to call 541-257-5002 or email the laboratory at services@preelab.com.

Sardar, Tamzid | Laboratory Director
Corvallis, Oregon

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Case Narrative

This report presents the results of the analyses of the sample received on 2020-09-08 and assigned the Laboratory Number of - A2098-02. The subsequent data is only for the sample listed and parameters tested.

All analyses were performed in accordance with PREE Laboratory's Quality Control Program. All QC requirements were met, except as noted below.

Analytical comments are noted on the Certificate of Analysis with data flags, and/or recorded below.

Notes:
No special conditions were noted during the processing and testing of the sample.

Report: Evaluation Detail

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PREE LABORATORIES

Pesticide Analysis

Product Name: **9.8.20 CBD-ISO Batch #8285 Dup**

Analysis Date: 2020-09-10
LCMS

Analysis Date: 2020-09-10
GCMS

Evaluation Detail

Pesticide Name	Tested Value (ppm)	Pass Criteria (ppm)	LOQ (ppm)	Status Pass/Unsatisfactory
Abamectin B1a	< LOQ	0.50	0.20	Pass
Acephate	< LOQ	0.40	0.20	Pass
Acequinocyl	< LOQ	2.00	0.20	Pass
Acetamiprid	< LOQ	0.20	0.20	Pass
Aldicarb	< LOQ	0.40	0.20	Pass
Azoxystrobin	< LOQ	0.20	0.20	Pass
Bifenazate	< LOQ	0.20	0.20	Pass
Bifenthrin	< LOQ	0.20	0.20	Pass
Boscalid	< LOQ	0.40	0.20	Pass
Carbaryl	< LOQ	0.20	0.20	Pass
Carbofuran	< LOQ	0.20	0.20	Pass
Chlorantraniliprole	< LOQ	0.20	0.20	Pass
Chlorfenapyr***	< LOQ	1.00	0.10	Pass
Chlorpyrifos	< LOQ	0.20	0.20	Pass
Clofentezine	< LOQ	0.20	0.20	Pass
Cyfluthrin***	< LOQ	1.00	1.00	Pass
Cypermethrin***	< LOQ	1.00	1.00	Pass
Daminozide	< LOQ	1.00	0.20	Pass
Diazinon	< LOQ	0.20	0.20	Pass
Dichlorvos	< LOQ	1.00	0.20	Pass
Dimethoate	< LOQ	0.20	0.20	Pass
Ethoprophos	< LOQ	0.20	0.20	Pass
Etofenprox	< LOQ	0.40	0.20	Pass
Etoxazole	< LOQ	0.20	0.20	Pass
Fenoxycarb	< LOQ	0.20	0.20	Pass
Fenpyroximate	< LOQ	0.40	0.20	Pass
Fipronil***	< LOQ	0.40	0.10	Pass
Flonicamid	< LOQ	1.00	0.20	Pass
Fludioxonil***	< LOQ	0.40	0.20	Pass
Hexythiazox	< LOQ	1.00	0.20	Pass
Imazalil	< LOQ	0.20	0.20	Pass
Imidacloprid	< LOQ	0.40	0.20	Pass
Kresoxim-methyl	< LOQ	0.40	0.20	Pass

*** Compounds were tested on GCMS. All others on LCMS. Continued on next page…

Report: Evaluation Detail

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PREE LABORATORIES

Pesticide Analysis

Evaluation Detail

Pesticide Name	Tested Value (ppm)	Pass Criteria (ppm)	LOQ (ppm)	Status Pass/Unsatisfactory
Malathion	< LOQ	0.20	0.20	Pass
Metalaxyl	< LOQ	0.20	0.20	Pass
Methiocarb	< LOQ	0.20	0.20	Pass
Methomyl	< LOQ	0.40	0.20	Pass
MGK-264	< LOQ	0.20	0.20	Pass
Myclobutanil	< LOQ	0.20	0.20	Pass
Naled	< LOQ	0.50	0.20	Pass
Oxamyl	< LOQ	1.00	0.20	Pass
Paclobutrazol	< LOQ	0.40	0.20	Pass
Parathion-methyl***	< LOQ	0.20	0.10	Pass
Permethrin, cis-trans	< LOQ	0.20	0.20	Pass
Phosmet	< LOQ	0.20	0.20	Pass
Piperonyl butoxide	< LOQ	2.00	0.20	Pass
Prallethrin	< LOQ	0.20	0.20	Pass
Propiconazole***	< LOQ	0.40	0.20	Pass
Propoxur	< LOQ	0.20	0.20	Pass
Pyrethrins (3 isomers)	< LOQ	1.00	0.20	Pass
Pyridaben	< LOQ	0.20	0.20	Pass
Spinosad	< LOQ	0.20	0.20	Pass
Spiromesifen	< LOQ	0.20	0.20	Pass
Spirotetramat	< LOQ	0.20	0.20	Pass
Spiroxamine	< LOQ	0.40	0.20	Pass
Tebuconazole	< LOQ	0.40	0.20	Pass
Thiacloprid	< LOQ	0.20	0.20	Pass
Thiamethoxam	< LOQ	0.20	0.20	Pass
Trifloxystrobin	< LOQ	0.20	0.20	Pass

*** Compounds were tested on GCMS. All others on LCMS.

Report: Quality Check

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PREE LABORATORIES

Pesticide Analysis

Analysis Date: 2020-09-10
LCMS

Analysis Date: 2020-09-10
GCMS

Quality Control Detail

Pesticide Name	Negative Control (P-BL)	Positive Control (LCS)	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Abamectin	o		< 0.25	< 0.25	< 0.25
Acephate	o		< 0.2	< 0.2	< 0.2
Acequinocyl	o		< 1	< 1	< 1
Acetamiprid	o		< 0.1	< 0.1	< 0.1
Aldicarb	o		< 0.2	< 0.2	< 0.2
Azoxystrobin	o		< 0.1	< 0.1	< 0.1
Bifenazate	o		< 0.1	< 0.1	< 0.1
Bifenthrin	o		< 0.1	< 0.1	< 0.1
Boscalid	o		< 0.2	< 0.2	< 0.2
Carbaryl	o		< 0.1	< 0.1	< 0.1
Carbofuran	o		< 0.1	< 0.1	< 0.1
Chlorantraniliprole	o		< 0.1	< 0.1	< 0.1
Chlorfenapyr***	o		< 0.5	< 0.5	< 0.5
Chlorpyrifos	o		< 0.1	< 0.1	< 0.1
Clofentezine	o		< 0.1	< 0.1	< 0.1
Cyfluthrin***	o		< 0.5	< 0.5	< 0.5
Cypermethrin***	o		< 0.5	< 0.5	< 0.5
Daminozide	o		< 0.5	< 0.5	< 0.5
Diazinon	o		< 0.1	< 0.1	< 0.1
Dichlorvos	o		< 0.5	< 0.5	< 0.5
Dimethoate	o		< 0.1	< 0.1	< 0.1
Ethoprophos	o		< 0.1	< 0.1	< 0.1
Etofenprox	o		< 0.2	< 0.2	< 0.2
Etoxazole	o		< 0.1	< 0.1	< 0.1
Fenoxycarb	o		< 0.1	< 0.1	< 0.1
Fenpyroximate	o		< 0.2	< 0.2	< 0.2
Fipronil***	o		< 0.2	< 0.2	< 0.2
Flonicamid	o		< 0.5	< 0.5	< 0.5
Fludioxonil***	o		< 0.2	< 0.2	< 0.2
Hexythiazox	o		< 0.5	< 0.5	< 0.5
Imazalil	o		< 0.1	< 0.1	< 0.1
Imidacloprid	o		< 0.2	< 0.2	< 0.2
Kresoxim-methyl	o		< 0.2	< 0.2	< 0.2

*** Compounds were tested on GCMS. All others on LCMS. Continued on next page...

Report: Quality Check

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Pesticide Analysis

Quality Control Detail

Pesticide Name	Negative Control (P-BL)	Positive Control (LCS)	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Malathion	o		< 0.1	< 0.1	< 0.1
Metalaxyl	o		< 0.1	< 0.1	< 0.1
Methiocarb	o		< 0.1	< 0.1	< 0.1
Methomyl	o		< 0.2	< 0.2	< 0.2
MGK-264	o		< 0.1	< 0.1	< 0.1
Myclobutanil	o		< 0.1	< 0.1	< 0.1
Naled	o		< 0.25	< 0.25	< 0.25
Oxamyl	o		< 0.5	< 0.5	< 0.5
Paclobutrazol	o		< 0.2	< 0.2	< 0.2
Parathion-methyl***	o		< 0.1	< 0.1	< 0.1
Permethrin, cis-trans	o		< 0.1	< 0.1	< 0.1
Phosmet	o		< 0.1	< 0.1	< 0.1
Piperonyl butoxide	o		< 1	< 1	< 1
Prallethrin	o		< 0.1	< 0.1	< 0.1
Propiconazole***	o		< 0.2	< 0.2	< 0.2
Propoxur	o		< 0.1	< 0.1	< 0.1
Pyrethrins (3 isomers)	o		< 0.5	< 0.5	< 0.5
Pyridaben	o		< 0.1	< 0.1	< 0.1
Spinosad	o		< 0.1	< 0.1	< 0.1
Spiromesifen	o		< 0.1	< 0.1	< 0.1
Spirotetramat	o		< 0.1	< 0.1	< 0.1
Spiroxamine	o		< 0.2	< 0.2	< 0.2
Tebuconazole	o		< 0.2	< 0.2	< 0.2
Thiacloprid	o		< 0.1	< 0.1	< 0.1
Thiamethoxam	o		< 0.1	< 0.1	< 0.1
Trifloxystrobin	o		< 0.1	< 0.1	< 0.1
Abamectin		•	1.5	1.362	0.15 - 2.4
Acephate		•	1.5	1.389	0.15 - 2.4
Acequinocyl		•	1.5	1.258	0.15 - 2.4
Acetamiprid		•	1.5	1.531	0.15 - 2.4
Aldicarb		•	1.5	1.221	0.15 - 2.4
Azoxystrobin		•	1.5	1.349	0.15 - 2.4
Bifenazate		•	1.5	1.415	0.15 - 2.4

*** Compounds were tested on GCMS. All others on LCMS. Continued on next page...

Report: Quality Check

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Pesticide Analysis

Quality Control Detail

Pesticide Name	Negative Control (P-BL)	Positive Control (LCS)	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Bifenthrin		•	1.5	1.546	0.15 - 2.4
Boscalid		•	1.5	1.506	0.15 - 2.4
Carbaryl		•	1.5	1.559	0.15 - 2.4
Carbofuran		•	1.5	1.593	0.15 - 2.4
Chlorantraniliprole		•	1.5	1.501	0.15 - 2.4
Chlorfenapyr***		•	1.5	1.500	0.75 - 2.4
Chlorpyrifos		•	1.5	1.540	0.15 - 2.4
Clofentezine		•	1.5	1.541	0.15 - 2.4
Cyfluthrin***		•	1.5	1.401	0.75 - 2.4
Cypermethrin***		•	1.5	1.393	0.75 - 2.4
Daminozide		•	1.5	1.418	0.15 - 2.4
Diazinon		•	1.5	1.454	0.15 - 2.4
Dichlorvos		•	1.5	1.551	0.15 - 2.4
Dimethoate		•	1.5	1.631	0.15 - 2.4
Ethoprophos		•	1.5	1.548	0.15 - 2.4
Etofenprox		•	1.5	1.578	0.15 - 2.4
Etoxazole		•	1.5	1.528	0.15 - 2.4
Fenoxycarb		•	1.5	1.502	0.15 - 2.4
Fenpyroximate		•	1.5	1.606	0.15 - 2.4
Fipronil***		•	1.5	1.491	0.75 - 2.4
Flonicamid		•	1.5	1.692	0.15 - 2.4
Fludioxonil***		•	1.5	1.502	0.75 - 2.4
Hexythiazox		•	1.5	1.533	0.15 - 2.4
Imazalil		•	1.5	1.434	0.15 - 2.4
Imidacloprid		•	1.5	1.523	0.15 - 2.4
Kresoxim-methyl		•	1.5	1.458	0.15 - 2.4
Malathion		•	1.5	1.515	0.15 - 2.4
Metalaxyl		•	1.5	1.455	0.15 - 2.4
Methiocarb		•	1.5	1.554	0.15 - 2.4
Methomyl		•	1.5	1.497	0.15 - 2.4
MGK-264		•	1.5	1.425	0.15 - 2.4
Myclobutanil		•	1.5	1.567	0.15 - 2.4
Naled		•	1.5	1.427	0.15 - 2.4

*** Compounds were tested on GCMS. All others on LCMS. Continued on next page...

Report: Quality Check

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Pesticide Analysis

Quality Control Detail

Pesticide Name	Negative Control (P-BL)	Positive Control (LCS)	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Oxamyl		•	1.5	1.440	0.15 - 2.4
Paclobutrazol		•	1.5	1.455	0.15 - 2.4
Parathion-methyl***		•	1.5	1.538	0.75 - 2.4
Permethrin, cis-trans		•	1.5	1.541	0.15 - 2.4
Phosmet		•	1.5	1.562	0.15 - 2.4
Piperonyl butoxide		•	1.5	1.467	0.15 - 2.4
Prallethrin		•	1.5	1.493	0.15 - 2.4
Propiconazole***		•	1.5	1.519	0.15 - 2.4
Propoxur		•	1.5	1.478	0.15 - 2.4
Pyrethrins (3 isomers)		•	1.5	1.594	0.15 - 2.4
Pyridaben		•	1.5	1.511	0.15 - 2.4
Spinosad		•	1.5	1.582	0.15 - 2.4
Spiromesifen		•	1.5	1.573	0.15 - 2.4
Spirotetramat		•	1.5	1.470	0.15 - 2.4
Spiroxamine		•	1.5	1.447	0.15 - 2.4
Tebuconazole		•	1.5	1.512	0.15 - 2.4
Thiacloprid		•	1.5	1.578	0.15 - 2.4
Thiamethoxam		•	1.5	1.563	0.15 - 2.4
Trifloxystrobin		•	1.5	1.523	0.15 - 2.4

*** Compounds were tested on GCMS. All others on LCMS.

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Definitions

- PQL: Practical Quantitation Limit, this is the smallest amount the analyte can be measured at without estimation.
- Blank: A quality control sample that is free of the analyte being measured.
- Positive Control: A quality control sample with a known amount of the analyte used to demonstrate accuracy. The result is often expressed as a percent recovery.
- Field Duplicate: A second sample collected in the field using the same sampling method as the primary sample. The purpose is to demonstrate that the batch sampled is uniform.
- Action Limit: Analyte levels set by the state of Oregon indicating that follow-up action is necessary.
- Accreditation Status: Indication that the methodology, calibration, and laboratory QC used by PREE Laboratory for an analyte has been evaluated by a third-party auditor and determined to be accurate, precise, and selective.
- ppm: parts per million, equivalent to mg/g and mg/L.
- % Rec.: Percentage Recovery = [(Amount measured) / (Known amount)] * 100
- ND: The sample result is less than the PQL.

Calculations

- Cannabinoid Potency :

  Wet WT% = (Exported concentration ppm) x (Dilution) x (Extraction Vol./Wet wt mg) x 100
  Total THC% = (%THCA) x 0.877 + (%THC)
  Total CBD% = (%CBDA) x 0.877 + (%CBD)
  Total THC (Dry WT)% = % total THC(wet) / [1-(% moisture/100)]
  Total CBD (Dry WT)% = % total CBD(wet) / [1-(% moisture/100)]

Certificate of Analysis

EVIO Labs Portland
14775 SW 74th Ave, Tigard, OR 97224
503-954-2562 / OLCC 010-10046111391 / www.EVIOLabs.com

A2098-02

PREE Labs

010-10087092BDA

Sample ID: P200853-02 **METRC Batch #:**

Matrix: Extract/Concentrate

Date Sampled: 09/08/20 09:00

Date Accepted: 09/08/20

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Residual Solvents

Analyte	LOQ	Action Level		Result	Units
Butanes	250	5000	3	< LOQ	ppm
n-Butane	250	5000		< LOQ	ppm
iso-Butane	250	5000		< LOQ	ppm
Hexanes	174	290	4	< LOQ	ppm
n-Hexane	174	290		< LOQ	ppm
2-Methylpentane	174	290		< LOQ	ppm
3-Methylpentane	174	290		< LOQ	ppm
2,2-Dimethylbutane	174	290		< LOQ	ppm
2,3-Dimethylbutane	174	290		< LOQ	ppm
Pentanes	1400	5000	5	< LOQ	ppm
n-Pentane	1400	5000		< LOQ	ppm
iso-Pentane	1400	5000		< LOQ	ppm
Neopentane	250	5000		< LOQ	ppm
Xylenes	1302	2170		< LOQ	ppm
1,2-Dimethylbenzene	1302	2170		< LOQ	ppm
1,3-Dimethylbenzene	1302	2170		< LOQ	ppm
1,4-Dimethylbenzene	1302	2170		< LOQ	ppm
Xylenes MP	1302	2170		< LOQ	ppm
Ethyl benzene	1302	NA		< LOQ	ppm
2-Propanol (IPA)	1400	5000		< LOQ	ppm
Acetone	1400	5000		< LOQ	ppm
Acetonitrile	246	410		< LOQ	ppm
Benzene	1.2	2		< LOQ	ppm
Methanol	1000	3000		< LOQ	ppm
Propane	250	5000		< LOQ	ppm
Toluene	534	890		< LOQ	ppm
Dichloromethane	360	600		< LOQ	ppm
1,4-Dioxane	228	380		< LOQ	ppm
2-Butanol	1400	5000		< LOQ	ppm
2-Ethoxyethanol	96	160		< LOQ	ppm
Cumene	42	70		< LOQ	ppm
Cyclohexane	2278	3880		< LOQ	ppm
Ethyl acetate	1400	5000		< LOQ	ppm
Ethyl ether	1400	5000		< LOQ	ppm
Ethylene glycol	558	620		< LOQ	ppm
Ethylene oxide	30	50		< LOQ	ppm
Heptane	1400	5000		< LOQ	ppm
Isopropyl acetate	1400	5000		< LOQ	ppm
Tetrahydrofuran	432	720		< LOQ	ppm

Date/Time Extracted: 09/09/20 08:22

Date/Time Analyzed: 09/09/20 15:24

Analysis Method/SOP: SOP.T.40.031

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.

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.

Kawai Medeiros
Laboratory Manager - 9/9/2020

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Quality Control

Batch: P20I034 - SOP.T.40.031 Solvents

Blank(P20I034-BLK1) **Extracted:** 09/09/20 08:22 **Analyzed:** 09/09/20 15:24

Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
Butanes	< LOQ	250 (ppm)	< LOQ	n-Butane	< LOQ	250 (ppm)	< LOQ
iso-Butane	< LOQ	250 (ppm)	< LOQ	Hexanes	< LOQ	174 (ppm)	< LOQ
n-Hexane	< LOQ	174 (ppm)	< LOQ	2-Methylpentane	< LOQ	174 (ppm)	< LOQ
3-Methylpentane	< LOQ	174 (ppm)	< LOQ	2,2-Dimethylbutane	< LOQ	174 (ppm)	< LOQ
2,3-Dimethylbutane	< LOQ	174 (ppm)	< LOQ	Pentanes	< LOQ	1400 (ppm)	< LOQ
n-Pentane	< LOQ	1400 (ppm)	< LOQ	iso-Pentane	< LOQ	1400 (ppm)	< LOQ
Neopentane	< LOQ	250 (ppm)	< LOQ	Xylenes	< LOQ	1302 (ppm)	< LOQ
1,2-Dimethylbenzene	< LOQ	1302 (ppm)	< LOQ	1,3-Dimethylbenzene	< LOQ	1302 (ppm)	< LOQ
1,4-Dimethylbenzene	< LOQ	1302 (ppm)	< LOQ	Xylenes MP	< LOQ	1302 (ppm)	< LOQ
Ethyl benzene	< LOQ	1302 (ppm)	< LOQ	2-Propanol (IPA)	< LOQ	1400 (ppm)	< LOQ
Acetone	< LOQ	1400 (ppm)	< LOQ	Acetonitrile	< LOQ	246 (ppm)	< LOQ
Benzene	< LOQ	1.2 (ppm)	< LOQ	Methanol	< LOQ	1000 (ppm)	< LOQ
Propane	< LOQ	250 (ppm)	< LOQ	Toluene	< LOQ	534 (ppm)	< LOQ
Dichloromethane	< LOQ	360 (ppm)	< LOQ	1,4-Dioxane	< LOQ	228 (ppm)	< LOQ
2-Butanol	< LOQ	1400 (ppm)	< LOQ	2-Ethoxyethanol	< LOQ	96 (ppm)	< LOQ
Cumene	< LOQ	42 (ppm)	< LOQ	Cyclohexane	< LOQ	2278 (ppm)	< LOQ
Ethyl acetate	< LOQ	1400 (ppm)	< LOQ	Ethyl ether	< LOQ	1400 (ppm)	< LOQ
Ethylene glycol	< LOQ	558 (ppm)	< LOQ	Ethylene oxide	< LOQ	30 (ppm)	< LOQ
Heptane	< LOQ	1400 (ppm)	< LOQ	Isopropyl acetate	< LOQ	1400 (ppm)	< LOQ
Tetrahydrofuran	< LOQ	432 (ppm)	< LOQ				

LCS(P20I034-BS1) **Extracted:** 09/09/20 08:22 **Analyzed:** 09/09/20 15:24

Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
Butanes	66.4	(ppm)	0-200	n-Butane	72.8	(ppm)	50-150
iso-Butane	59.9	(ppm)	50-150	Hexanes	100	(ppm)	0-200
n-Hexane	99.0	(ppm)	70-130	2-Methylpentane	99.3	(ppm)	70-130
3-Methylpentane	99.9	(ppm)	70-130	2,2-Dimethylbutane	101	(ppm)	70-130
2,3-Dimethylbutane	99.7	(ppm)	70-130	Pentanes	108	(ppm)	0-200
n-Pentane	101	(ppm)	70-130	iso-Pentane	100	(ppm)	70-130
Neopentane	77.5	(ppm)	50-150	Xylenes	83.0	(ppm)	0-200
1,2-Dimethylbenzene	81.7	(ppm)	70-130	1,3-Dimethylbenzene	83.5	(ppm)	70-130
1,4-Dimethylbenzene	84.1	(ppm)	70-130	Xylenes MP	83.0	(ppm)	0-200
Ethyl benzene	83.8	(ppm)	70-130	2-Propanol (IPA)	98.2	(ppm)	70-130
Acetone	99.7	(ppm)	70-130	Acetonitrile	98.4	(ppm)	70-130
Benzene	91.1	(ppm)	70-130	Methanol	103	(ppm)	70-130
Propane	43.6	(ppm)	50-150	Toluene	91.3	(ppm)	70-130
Dichloromethane	95.6	(ppm)	70-130	1,4-Dioxane	93.8	(ppm)	70-130

Kawai Medeiros
Laboratory Manager - 9/9/2020

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Quality Control

Batch: P20I034 - SOP.T.40.031 Solvents (Continued)

LCS(P20I034-BS1) **Extracted:** 09/09/20 08:22 **Analyzed:** 09/09/20 15:24

Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
2-Butanol	97.5	(ppm)	70-130	2-Ethoxyethanol	94.9	(ppm)	70-130
Cumene	80.4	(ppm)	50-150	Cyclohexane	96.4	(ppm)	70-130
Ethyl acetate	98.9	(ppm)	70-130	Ethyl ether	101	(ppm)	70-130
Ethylene glycol	115	(ppm)	70-130	Ethylene oxide	104	(ppm)	50-150
Heptane	97.3	(ppm)	70-130	Isopropyl acetate	99.1	(ppm)	70-130
Tetrahydrofuran	96.8	(ppm)	70-130				

Kawai Medeiros
Laboratory Manager - 9/9/2020

EVIOLABS

Residual Solvent TIC Report

PREE Labs

010-10087092BDA

Batch ID: N/A

Batch Size: N/A

EVIO Sample ID: **P200853-02**

Product Name: **A2098-02**

Ordered: 9/8/2020

Sampled: 9/8/2020

Completed: 9/9/2020

Tentatively Identified Compounds (TIC's)

Prevalent Compound(s) *(Descending Order)*	CAS #	Compound Name
1	7732-18	Water
2	591-76-4	2-methyl-hexane
3	589-34-4	3-methyl-hexane
4		
5		

Residual Solvent Analytical Batch ID : P20I034

Notes: Per OAR 333-064-0100 (7), labs are required to report to the licensee or registrant and the Authority or the Commission up to 5 tentatively identified compounds (TIC's) that have the greatest apparent concentration and exceeds a 90% spectral match.

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Kawai Medeiros
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