

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

For OLCC/OHA Compliance Purposes.

Product Description

Client:

Product Name: **CBG Isolate B#GVL-TST126 Prim**

Process Date: 2022-01-06
Retest Date: 2024-01-07
Matrix: Hemp Concentrate
Metc Source ID: n/a
Metc Package ID: n/a
License Number: n/a
Date Collected: 2022-01-07
Date Received: 2022-01-07
Report Date: 2022-01-14
Report ID: A5596-03
Tests Requested: Cannabinoid Potency Analysis

Evaluation Summary

Moisture Analysis

Test Not Required

Cannabinoid Potency Analysis

Total THC *

< LOQ

< LOQ

Total CBD *

< LOQ

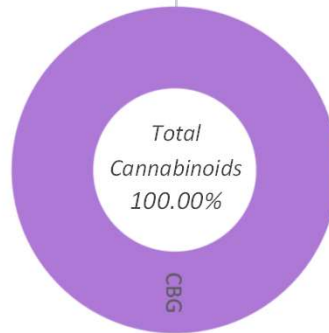
< LOQ

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	< LOQ	< LOQ
CBGA	< LOQ	< LOQ
CBG	100.00 % (A)	1000.0 mg/g
CBDVA	< LOQ	< LOQ
CBDV	< LOQ	< LOQ
CBN	< LOQ	< LOQ
CBL	< LOQ	< LOQ
CBC	< LOQ	< LOQ



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

Report: Case Narrative

This report presents the analytical findings for the sample collected on 2022-01-07 by Skyler Smith using sampling plan A5596 and received by PREE Laboratory on 2022-01-07. The sample was assigned a laboratory ID of A5596-03. The results in this report only apply to sample A5596-03.

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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:

The Oregon Department of Agriculture requires hemp products to not contain more than 0.35% total THC, per OAR 603-048. The tested value of CBG was found to be 102.88 %. This is within the method uncertainty and, as a result, the reported concentration was adjusted to 100.00%.

Pesticides Subcontracted to Rose City Labs, Solvents Subcontracted to EVIO Labs



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

OLCC License No. 10087092BDA | ORELAP ID. 4147

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For OLCC/OHA Compliance Purposes.

Moisture Analysis	Evaluation Detail						
	Moisture Analysis		Test Not Requested/Required				
Cannabinoid Potency Analysis	Evaluation Detail						
Product Name: CBG Isolate B#GVL-TST126 Prim	Cannabinoid Potency Analysis		Compound	Abrv.	Dry Wt. (%)	Dry Wt. (mg/g)	RL (%)
Analysis Date: 2022-01-08	Total THC *	Tetrahydro-cannabinolic acid	THCA	< LOQ	< LOQ	0.5 %	
Testing Batch ID: POM220108B	< LOQ	Delta9 Tetrahydro-cannabinol	Δ-9-THC	< LOQ	< LOQ	0.5 %	
Testing Method: LSOP #303 Cannabinoid Quantification	< LOQ	Delta8 Tetrahydro-cannabinol	Δ-8-THC	< LOQ	< LOQ	0.5 %	
		Tetrahydrocannabivarin	THCV	< LOQ	< LOQ	0.5 %	
	Total CBD *	Cannabidiolic acid	CBDA	< LOQ	< LOQ	0.5 %	
	< LOQ	Cannabidiol	CBD	< LOQ	< LOQ	0.5 %	
	< LOQ	Cannabigerolic acid	CBGA	< LOQ	< LOQ	0.5 %	
		Cannabigerol	CBG	100.00 % (A)	1000.0	0.5 %	
		Cannabidivarinic acid	CBDVA	< LOQ	< LOQ	0.5 %	
		Cannabidivarin	CBDV	< LOQ	< LOQ	0.5 %	
		Cannabinol	CBN	< LOQ	< LOQ	0.5 %	
		Cannabicyclol	CBL	< LOQ	< LOQ	0.5 %	
		Cannabichromene	CBC	< LOQ	< LOQ	0.5 %	

Note: Accreditation for Δ-8-THC, THCV, CBGA, CBG, CBDVA, CBDV, CBL, CBC, CBN 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

OLCC License No. 10087092BDA | ORELAP ID. 4147

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For OLCC/OHA Compliance Purposes.

Moisture Analysis	Quality Control Detail						
	Moisture Analysis						
	Test Not Requested/Required						
Cannabinoid Potency Analysis	Quality Control Detail						
Analysis Date: 2022-01-08	Cannabinoid Potency Analysis		MB	LCS	Expected Value (%)	Tested Value (%)	Pass Criteria
Testing Batch ID: POM220108B	Tetrahydro-cannabinolic acid		○		< 0.1%	< 0.1%	< 0.1%
	Delta9 Tetrahydro-cannabinol		○		< 0.1%	< 0.1%	< 0.1%
	Cannabidiolic acid		○		< 0.1%	< 0.1%	< 0.1%
	Cannabidiol		○		< 0.1%	< 0.1%	< 0.1%
	Tetrahydro-cannabinolic acid			●	100.0%	115.6%	± 20%
	Delta9 Tetrahydro-cannabinol			●	100.0%	107.2%	± 20%
	Cannabidiolic acid			●	100.0%	112.1%	± 20%
	Cannabidiol			●	100.0%	116.3%	± 20%

Note: Accreditation for Δ-8-THC, THCV, CBGA, CBG, CBDVA, CBDV, CBL, CBC, CBN 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.
- Report Flag (A) : Compound tested over 100% or 1000 mg/g. The test result is within the method uncertainty and instrument result is not above the upper limit of quantitation. Value will be adjusted down to 100% or 1000 mg/mg in the reporting process.
- Report Flag (B) : Blank contamination - The analyte was detected above one-half the reporting limit in an associated blank.
- Report Flag (E) : Compound tested above the upper limit of quantitation.
- Report Flag (Q) : One or more quality control criteria (for example, LCS recovery, surrogate spike recovery) failed.

Calculations

- Cannabinoid Potency :
$$\text{Wet WT\%} = (\text{Exported concentration ppm}) \times (\text{Dilution}) \times (\text{Extraction Vol./Wet wt mg}) \times 100$$
$$\text{Total THC\%} = (\% \text{THCA}) \times 0.877 + (\% \text{THC})$$
$$\text{Total CBD\%} = (\% \text{CBDA}) \times 0.877 + (\% \text{CBD})$$
$$\text{Total THC (Dry WT)\%} = \% \text{ total THC(wet)} / [1 - (\% \text{moisture}/100)]$$
$$\text{Total CBD (Dry WT)\%} = \% \text{ total CBD(wet)} / [1 - (\% \text{moisture}/100)]$$
- Percentage Recovery :
$$\% \text{ Rec.} = [(\text{Amount measured}) / (\text{Known amount})] \times 100$$

Disclaimers

- Disposal : All marijuana and hemp products received by PREE will be disposed of following the OLCC's rules for Marijuana Waste Management, regardless of product type, unless PREE is given specific disposal instructions for a product based on test results from state regulatory agencies.

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

A5596-03

FREE Labs

010-10087092BDA

Sample ID: P220031-03 METRC Batch #:

Matrix: Extract/Concentrate

Date Sampled: 01/10/22 09:00

Date Accepted: 01/07/22

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
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
Ethanol	1400	NA ⁷	< LOQ	ppm

Date/Time Extracted: 01/10/22 13:46

Date/Time Analyzed: 01/11/22 10:19

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.

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.



Kawai Medeiros
 Lab Manager - 1/14/2022

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

Quality Control

Batch: P22A036 - SOP.T.40.031 Solvents

Blank(P22A036-BLK1)			Extracted: 01/10/22 13:46		Analyzed: 01/11/22 10:19		
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	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
Ethanol	< LOQ	1400 (ppm)	< LOQ				

LCS(P22A036-BS1)			Extracted: 01/10/22 13:46		Analyzed: 01/11/22 10:19		
Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
Butanes	59.6	250 (ppm)	0-200	n-Butane	73.2	250 (ppm)	50-150
iso-Butane	46.1	250 (ppm)	50-150	Hexanes	115	174 (ppm)	0-200
n-Hexane	119	174 (ppm)	70-130	2-Methylpentane	118	174 (ppm)	70-130
3-Methylpentane	118	174 (ppm)	70-130	2,2-Dimethylbutane	117	174 (ppm)	70-130
2,3-Dimethylbutane	109	174 (ppm)	70-130	Pentanes	121	1400 (ppm)	0-200
n-Pentane	99.7	1400 (ppm)	70-130	iso-Pentane	97.1	1400 (ppm)	70-130
Neopentane	97.6	250 (ppm)	50-150	Xylenes	112	1302 (ppm)	0-200
1,2-Dimethylbenzene	113	1302 (ppm)	70-130	1,3-Dimethylbenzene	113	1302 (ppm)	70-130
1,4-Dimethylbenzene	113	1302 (ppm)	70-130	Ethyl benzene	115	1302 (ppm)	70-130
2-Propanol (IPA)	114	1400 (ppm)	70-130	Acetone	106	1400 (ppm)	70-130
Acetonitrile	128	246 (ppm)	70-130	Benzene	127	1.2 (ppm)	70-130
Methanol	121	1000 (ppm)	70-130	Propane	35.8	250 (ppm)	50-150
Toluene	122	534 (ppm)	70-130	Dichloromethane	123	360 (ppm)	70-130
1,4-Dioxane	127	228 (ppm)	70-130	2-Butanol	114	1400 (ppm)	70-130



Kawai Medeiros
 Lab Manager - 1/14/2022

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Quality Control

Batch: P22A036 - SOP.T.40.031 Solvents (Continued)

LCS(P22A036-BS1)			Extracted: 01/10/22 13:46		Analyzed: 01/11/22 10:19		
Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
2-Ethoxyethanol	112	96 (ppm)	70-130	Cumene	125	42 (ppm)	50-150
Cyclohexane	117	2278 (ppm)	70-130	Ethyl acetate	112	1400 (ppm)	70-130
Ethyl ether	114	1400 (ppm)	70-130	Ethylene glycol	75.1	558 (ppm)	50-150
Ethylene oxide	89.7	30 (ppm)	50-150	Heptane	116	1400 (ppm)	70-130
Isopropyl acetate	120	1400 (ppm)	70-130	Tetrahydrofuran	113	432 (ppm)	70-130



Kawai Medeiros
 Lab Manager - 1/14/2022

P220031-03

Lab ID: 2201099-03

EVIO Labs
010-10046111391

METRC Batch ID:

Date Sampled: 01/12/22

Date Printed: 01/13/22

P220031-03

Date Sampled: 01/12/22 00:00

Date Accepted: 01/12/22

Results Valid Until: 01/12/23

EVIO Labs

Sample ID: 2201099-03

Matrix: Extracts and Concentrates

M #:

Pesticide Analysis in PPM

Date/Time Extracted: 01/12/22 09:34

Date/Time Analyzed: 01/12/22 22:54

Analysis Method/SOP: SOP 33

Instrument: Selene

Batch Identification: B22A051

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.2500	Avermectin insecticide
Acephate	< LOQ	0.4	0.2000	Organophosphate Insecticide
Acequinocyl	< LOQ	2	1.000	Quinoline insecticide
Acetamiprid	< LOQ	0.2	0.1000	Neonicotinoid insecticide
Aldicarb	< LOQ	0.4	0.2000	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.1000	Strobin fungicide
Bifenazate	< LOQ	0.2	0.1000	Carbazate miticide
Bifenthrin	< LOQ	0.2	0.1000	Pyrethroid insecticide
Boscalid	< LOQ	0.4	0.2000	Carboxamide fungicide
Carbaryl	< LOQ	0.2	0.1000	Carbamate insecticide
Carbofuran	< LOQ	0.2	0.1000	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.1000	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.5000	Pyrrole insecticide
Chlorpyrifos	< LOQ	0.2	0.1000	Organophosphate Insecticide
Clofentezine	< LOQ	0.2	0.1000	Tetrazine miticide
Cyfluthrin	< LOQ	1	0.5000	Pyrethroid insecticide
Cypermethrin	< LOQ	1	0.5000	Pyrethroid insecticide
Daminozide	< LOQ	1	0.5000	Plant growth regulator
DDVP (Dichlorvos)	< LOQ	1	0.5000	Organophosphate insecticide
Diazinon	< LOQ	0.2	0.1000	Organophosphate Insecticide
Dimethoate	< LOQ	0.2	0.1000	Organophosphate insecticide



Erik Werstler
Lab Director

P220031-03

EVIO Labs

010-10046111391

Laboratory ID: 2201099-03

P220031-03

EVIO Labs

Sample ID: 2201099-03

Matrix: Extracts and Concentrates

M #:

Date Sampled: 01/12/22 00:00

Date Accepted: 01/12/22

Results Valid Until: 01/12/23

Pesticide Analysis in PPM

Date/Time Extracted: 01/12/22 09:34

Date/Time Analyzed: 01/12/22 22:54

Analysis Method/SOP: SOP 33

Instrument: Selene

Batch Identification: B22A051

Analyte	Result	Action Level	LOQ	Type
Ethoprophos	< LOQ	0.2	0.1000	Organophosphate insecticide
Etofenprox	< LOQ	0.4	0.2000	Pyrethroid insecticide
Etoxazole	< LOQ	0.2	0.1000	Oxazoline insecticide
Fenoxycarb	< LOQ	0.2	0.1000	Carbamate insecticide
Fenpyroximate	< LOQ	0.4	0.2000	Pyrazolium miticide
Fipronil	< LOQ	0.4	0.2000	Pyrazole insecticide
Flonicamid	< LOQ	1	0.5000	Pyridinecarboxamide insecticide
Fludioxonil	< LOQ	0.4	0.2000	Benzodioxole fungicide
Hexythiazox	< LOQ	1	0.5000	Heterocyclic miticide
Imazalil	< LOQ	0.2	0.1000	Imidazole fungicide
Imidacloprid	< LOQ	0.4	0.2000	Neonicotinoid insecticide
Kresoxim-methyl	< LOQ	0.4	0.2000	Strobilurin fungicide
Malathion	< LOQ	0.2	0.1000	Organophosphate insecticide
Metalaxyl	< LOQ	0.2	0.1000	Benzenoid fungicide
Methiocarb	< LOQ	0.2	0.1000	Carbamate insecticide
Methomyl	< LOQ	0.4	0.2000	Carbamate insecticide
Methyl parathion	< LOQ	0.2	0.1000	Organophosphate insecticide
MGK-264	< LOQ	0.2	0.1000	Pesticide synergist
Myclobutanil	< LOQ	0.2	0.1000	Triazole fungicide
Naled	< LOQ	0.5	0.2500	Organophosphate insecticide
Oxamyl	< LOQ	1	0.5000	Carbamate insecticide
Paclobutrazol	< LOQ	0.4	0.2000	Triazole fungicide
Permethrins	< LOQ	0.2	0.1000	Pyrethroid insecticide
Phosmet	< LOQ	0.2	0.1000	Organophosphate insecticide
Piperonyl butoxide	< LOQ	2	1.000	Pesticide synergist
Prallethrin	< LOQ	0.2	0.1000	Pyrethroid insecticide
Propiconazole	< LOQ	0.4	0.2000	Triazole fungicide



Erik Werstler
Lab Director

P220031-03

EVIO Labs

010-10046111391

Laboratory ID: 2201099-03

P220031-03

Date Sampled: 01/12/22 00:00

Date Accepted: 01/12/22

Results Valid Until: 01/12/23

EVIO Labs

Sample ID: 2201099-03

Matrix: Extracts and Concentrates

M #:

Pesticide Analysis in PPM

Date/Time Extracted: 01/12/22 09:34

Date/Time Analyzed: 01/12/22 22:54

Analysis Method/SOP: SOP 33

Instrument: Selene

Batch Identification: B22A051

Analyte	Result	Action Level	LOQ	Type
Propoxur	< LOQ	0.2	0.1000	Carbamate insecticide
Pyrethrins	< LOQ	1	0.5000	Pyrethroid insecticide
Pyridaben	< LOQ	0.2	0.1000	Pyridazinone insecticide
Spinosad	< LOQ	0.2	0.1000	Spinosyn insecticide
Spiromesifen	< LOQ	0.2	0.1000	Keto-enol insecticide
Spirotetramat	< LOQ	0.2	0.1000	Keto-enol insecticide
Spiroxamine	< LOQ	0.4	0.2000	Spiroketalamine fungicide
Tebuconazole	< LOQ	0.4	0.2000	Triazole fungicide
Thiacloprid	< LOQ	0.2	0.1000	Neonicotinoid insecticide
Thiamethoxam	< LOQ	0.2	0.1000	Neonicotinoid insecticide
Trifloxystrobin	< LOQ	0.2	0.1000	Strobin fungicide

<LOQ - Results below the Limit of Quantitation - Compound not detected

Results above the Action Level fail state testing requirements and will be highlighted **Red**.



Erik Werstler
Lab Director

P220031-03

EVIO Labs

010-10046111391

Laboratory ID: 2201099-03

Quality Control Pesticide Analysis

Batch: B22A051 - Pest/Myco

Blank(B22A051-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.2500	ppm		01/12/22 09:34	01/12/22 17:53	
Acephate	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Acequinocyl	< LOQ	1.000	ppm		01/12/22 09:34	01/12/22 17:53	
Acetamiprid	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Aldicarb	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Azoxystrobin	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Bifenazate	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Bifenthrin	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Boscalid	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Carbaryl	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Carbofuran	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Chlorantraniliprole	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Chlorfenapyr	< LOQ	0.5000	ppm		01/12/22 09:34	01/12/22 17:53	
Chlorpyrifos	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Clofentezine	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Cyfluthrin	< LOQ	0.5000	ppm		01/12/22 09:34	01/12/22 17:53	
Cypermethrin	< LOQ	0.5000	ppm		01/12/22 09:34	01/12/22 17:53	
Daminozide	< LOQ	0.5000	ppm		01/12/22 09:34	01/12/22 17:53	
DDVP (Dichlorvos)	< LOQ	0.5000	ppm		01/12/22 09:34	01/12/22 17:53	
Diazinon	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Dimethoate	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Ethoprophos	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Etofenprox	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Etoxazole	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Fenoxycarb	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Fenpyroximate	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Fipronil	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Flonicamid	< LOQ	0.5000	ppm		01/12/22 09:34	01/12/22 17:53	
Fludioxonil	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Hexythiazox	< LOQ	0.5000	ppm		01/12/22 09:34	01/12/22 17:53	
Imazalil	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Imidacloprid	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Kresoxim-methyl	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Malathion	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	



Erik Werstler
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Quality Control Pesticide Analysis (Continued)

Batch: B22A051 - Pest/Myco (Continued)

Blank(B22A051-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Metalaxyl	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Methiocarb	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Methomyl	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Methyl parathion	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
MGK-264	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Myclobutanil	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Naled	< LOQ	0.2500	ppm		01/12/22 09:34	01/12/22 17:53	
Oxamyl	< LOQ	0.5000	ppm		01/12/22 09:34	01/12/22 17:53	
Paclobutrazol	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Permethrins	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Phosmet	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Piperonyl butoxide	< LOQ	1.000	ppm		01/12/22 09:34	01/12/22 17:53	
Prallethrin	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Propiconazole	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Propoxur	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Pyrethrins	< LOQ	0.5000	ppm		01/12/22 09:34	01/12/22 17:53	
Pyridaben	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Spinosad	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Spiromesifen	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Spirotetramat	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Spiroxamine	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Tebuconazole	< LOQ	0.2000	ppm		01/12/22 09:34	01/12/22 17:53	
Thiacloprid	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Thiamethoxam	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	
Trifloxystrobin	< LOQ	0.1000	ppm		01/12/22 09:34	01/12/22 17:53	

LCS(B22A051-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	148	0.2500	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Acephate	86.3	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Acequinocyl	65.1	1.000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Acetamiprid	84.4	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Aldicarb	90.6	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Azoxystrobin	81.2	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Bifenazate	81.0	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	



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Quality Control Pesticide Analysis (Continued)

Batch: B22A051 - Pest/Myco (Continued)

LCS(B22A051-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Bifenthrin	86.9	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Boscalid	75.8	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Carbaryl	87.0	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Carbofuran	86.9	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Chlorantraniliprole	80.9	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Chlorfenapyr	90.7	0.5000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Chlorpyrifos	79.9	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Clofentezine	83.6	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Cyfluthrin	87.6	0.5000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Cypermethrin	88.4	0.5000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Daminozide	86.9	0.5000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
DDVP (Dichlorvos)	80.5	0.5000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Diazinon	83.0	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Dimethoate	88.0	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Ethoprophos	86.8	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Etofenprox	87.4	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Etoxazole	84.6	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Fenoxycarb	85.7	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Fenpyroximate	92.4	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Fipronil	86.1	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Flonicamid	79.5	0.5000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Fludioxonil	67.2	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Hexythiazox	80.4	0.5000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Imazalil	66.1	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Imidacloprid	80.6	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Kresoxim-methyl	84.3	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Malathion	90.1	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Metalaxyl	91.8	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Methiocarb	83.6	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Methomyl	86.8	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Methyl parathion	82.1	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
MGK-264	80.1	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Myclobutanil	84.4	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Naled	82.9	0.2500	ppm	50-150	01/12/22 09:34	01/12/22 17:37	



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Quality Control Pesticide Analysis (Continued)

Batch: B22A051 - Pest/Myco (Continued)

LCS(B22A051-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Oxamyl	89.2	0.5000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Paclotrazol	82.0	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Permethrins	81.2	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Phosmet	81.7	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Piperonyl butoxide	93.7	1.000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Prallethrin	90.4	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Propiconazole	77.2	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Propoxur	83.7	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Pyrethrins	89.8	0.5000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Pyridaben	91.9	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Spinosad	82.7	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Spiromesifen	85.9	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Spirotetramat	89.3	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Spiroxamine	75.3	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Tebuconazole	89.9	0.2000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Thiacloprid	82.3	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Thiamethoxam	83.9	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	
Trifloxystrobin	86.8	0.1000	ppm	50-150	01/12/22 09:34	01/12/22 17:37	



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Lab Director

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Notes and Definitions

- B Analyte detected in method blank, but not associated samples.
 - B2 Analyte detected in sample and associate method blank.
 - C Interference due to co-elution.
 - D Initial result exceeded calibration range, reported data are based on analysis of a dilution.
 - H Non-homogenous sample matrix affecting RPD and/or QC.
 - I Manual Integration was performed.
 - L Duplicate sample relative percent difference (RPD) exceeds QC limits.
 - M Anomalous results due to matrix interference
 - P Peaks manually split.
 - Q1 QC out of limits but still ok
 - Q2 Quality Control outside QC limits. Data considered estimate.
 - Q3 CCV was above the acceptance criteria. Non-detect samples are considered acceptable.
 - Q4 CCV was below the acceptance criteria, however the sample still exceeds the regulatory limit.
 - R Marginal Exceedence.
 - U Reported result is an estimate. The analyte was detected above the calibration range.
 - X Problems with initial analysis, reported data are from reinjection of prepared sample.
- <LOQ - Results below the Limit of Quantitation - Compound not detected



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