Certificate of Analysis

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

Rebotanicals 50 Peppermint Tincture

Palmetto Synergistic Research

Info Only- Edibles/Infused Project

Confident Cannabis ID: 2011ELP0009.4246
Sample ID: P201123-01
Matrix: Cannabinoid Product (liquid)
METRC Batch #:
Sampling Method/SOP: Client
Date Sampled: NA
Date Accepted: 11/03/20
Harvest/Process Lot ID: 20306

Batch ID:
Batch Size (g):
Unit for Sale:
Harvest/Production Date:

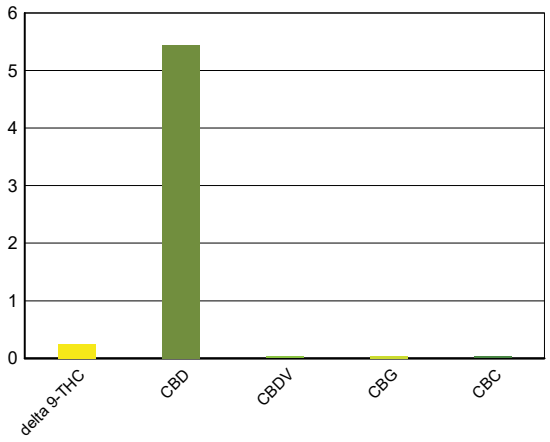
Cannabinoid Analysis

FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

Date/Time Extracted: 11/03/20 14:58
Date/Time Analyzed: 11/04/20 14:16
Analysis Method/SOP: SOP.T.40.023
Sample mass: 0.918g/ mL

Cannabinoids	LOQ(%)	mg/g	mg/mL
Total THC ((THCA*0.877)+△9THC)		**2.52**	**2.31**
Total CBD ((CBDA*0.877)+CBD)		**54.50**	**50.0**
THCA	0.010	< LOQ	< LOQ
delta 9-THC	0.010	2.52	2.31
delta 8-THC	0.010	< LOQ	< LOQ
THCV	0.010	< LOQ	< LOQ
CBGA	0.010	< LOQ	< LOQ
CBDA	0.010	< LOQ	< LOQ
CBD	0.010	54.50	50.0
CBDV	0.010	0.31	0.285
CBN	0.010	< LOQ	< LOQ
CBG	0.010	0.45	0.413
CBC	0.010	0.31	0.285
THCV-A	0.010	< LOQ	< LOQ
CBDV-A	0.010	< LOQ	< LOQ
CBCA	0.010	< LOQ	< LOQ
Sum of tested Cannabinoids	0.010	58.10	53.3

Cannabinoid Profile



"Total THC" and "Total CBD" are calculated values and are an Oregon reporting requirement (OAR 333-064-0100). For Cannabinoid analysis, only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes. Cannabinoid values reported for plant matter are dry weight corrected; Oregon Water Activity action level is 0.65Aw and Oregon Moisture Content action level is 15%, Samples above limit will be highlighted RED; FD = Field Duplicate; LOQ = Limit of Quantitation.

Kawai Medeiros
Laboratory Manager - 11/20/2020

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Rebotanicals 50 Peppermint Tincture

Palmetto Synergistic Research

Info Only- Edibles/Infused Project

Sample ID: P201123-01 **METRC Batch #:**

Matrix: Cannabinoid Product

Date Sampled: NA

Date Accepted: 11/03/20

Batch ID:

Batch Size:

Sampling Method/SOP: Client

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
Ethanol	1400	NA	7	< LOQ	ppm

Date/Time Extracted: 11/06/20 14:25

Date/Time Analyzed: 11/09/20 11:07

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 - 11/20/2020

Certificate of Analysis

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Rebotanicals 50 Peppermint Tincture

Palmetto Synergistic Research

Info Only- Edibles/Infused Project

Sample ID: P201123-01 **METRC Batch #:**

Matrix: Cannabinoid Product

Date Sampled: NA

Date Accepted: 11/03/20

Batch ID:

Batch Size:

Sampling Method/SOP: Client

Aerobic Plate Count

Date/Time Extracted: 11/18/20 09:08

Date/Time Analyzed: 11/20/20 16:27

Analysis Method/SOP: SOP.T.40.046

Total Colonies:	< LOQ	**CFU/g**

About Your Aerobic Plate Count (APC) Results

An aerobic plate count is a measure of the amount of bacteria in a sample that is capable of living in an oxygenated environment.

The American Herbal Pharmacoepia recommends herbal products contain no greater than 100,000 CFU/g of total viable aerobic bacteria. For CO2 and solvent based extracts, the AHP recommends a limit of no greater than 10,000 CFU/g.

Aerobic plate count is commonly applied to finish products, particularly foods. Traditionally manufacturers will monitor products for aerobic bacteria on a routine basis to ensure that the microbial load of a product is not increasing.

Kawai Medeiros
Laboratory Manager - 11/20/2020

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Rebotanicals 50 Peppermint Tincture

Palmetto Synergistic Research

Info Only- Edibles/Infused Project

Sample ID: P201123-01 **METRC Batch #:**

Matrix: Cannabinoid Product

Date Sampled: NA

Date Accepted: 11/03/20

Batch ID:

Batch Size:

Sampling Method/SOP: Client

Yeast and Mold Enumeration

Date/Time Extracted: 11/05/20 10:47

Date/Time Analyzed: 11/11/20 16:58

*Analysis Method/SOP: *** DEFAULT SPECIFIC*

Total Colonies: 0.00 CFU/g

About Your Yeast and Mold Results

Botanical materials often have total yeast and mold counts between 1,500 - 7,500 CFU/g. Products that have undergone exposure to solvents, such as alcohol tinctures or concentrated materials extracted with butane, propane, hexane, carbon dioxide, or other organic solvents will typically feature total yeast and mold counts at 0 CFU/g.

The American Herbal Pharmacoepia recommends herbal products contain no greater than 10,000 CFU/g of total yeasts and molds. Results above 10,000 CFU/g will be highlighted **Red**. Counts greater than 25,000 CFU/g are designated as "**TNTC**" or "Too numerous to count."

Yeasts vs Molds

Yeasts and molds are both broad types of fungi. Yeasts are unicellular and reproduce by budding, creating a small smooth apperance, whereas molds are multicellular and grow through fungal strands called hyphae, creating a fuzzy appearance often associated with mold.

Yeasts and molds are commonly found on natural products, and not all are harmful. Nevertheless, yeasts and molds, as well as their spores, can cause lung irritation, facilitate allergic reactions, or even present life-threatening conditions for immuno-compromised consumers. For instance, the dark mold, *Aspergillus*, can produce toxic chemical byproducts which can be harmful to human health. *Aspergillus* spores can lodge in small crevaces in the lungs and grow, leading to a potentially life-threatening condition called Aspergillosis.

A simple total yeast and mold count can be a great way to monitor for potential health hazards in botanical products and help ensure the safety of consumers.

Kawai Medeiros
Laboratory Manager - 11/20/2020

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Quality Control

Batch: P20K018 - SOP.T.30.050PDX Prep for Cannabinoids

Blank(P20K018-BLK1) **Extracted:** 11/03/20 14:58 **Analyzed:** 11/04/20 14:16

Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
THCA	< LOQ	0.010 (%)	< LOQ	delta 9-THC	< LOQ	0.010 (%)	< LOQ
delta 8-THC	< LOQ	0.010 (%)	< LOQ	THCV-A	< LOQ	0.010 (%)	< LOQ
THCV	< LOQ	0.010 (%)	< LOQ	CBDA	< LOQ	0.010 (%)	< LOQ
CBD	< LOQ	0.010 (%)	< LOQ	CBDV-A	< LOQ	0.010 (%)	< LOQ
CBDV	< LOQ	0.010 (%)	< LOQ	CBG	< LOQ	0.010 (%)	< LOQ
CBGA	< LOQ	0.010 (%)	< LOQ	CBN	< LOQ	0.010 (%)	< LOQ
CBCA	< LOQ	0.010 (%)	< LOQ	CBC	< LOQ	0.010 (%)	< LOQ
Sum of tested Cannabinoids	< LOQ	0.010 (%)	< LOQ				

Batch: P20K033 - SOP.T.40.040 Yeast/Mold

Blank(P20K033-BLK1) **Extracted:** 11/05/20 10:47 **Analyzed:** 11/11/20 16:58

Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
Total Yeast and Mold Coloni	0.00	(cfu/g)	< LOQ				

Batch: P20K107 - SOP.T.40.046 Aerobic Bacteria Count

Blank(P20K107-BLK1) **Extracted:** 11/18/20 09:08 **Analyzed:** 11/20/20 16:27

Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
Aerobic Bacteria	< LOQ	1.00 (cfu/g)	< LOQ				

Kawai Medeiros
Laboratory Manager - 11/20/2020

EVIOLABS

Coliform Analysis Report

R&D Use only. Not for Compliance

Palmetto Synergistic Research

Info Only

Batch ID: N/A

Batch Size: N/A

EVIO Sample ID: **P201123-01**

Product Name: **Rebotanicals 50 Peppermint Tincture**

Ordered: 11/3/2020

Sampled: N/A

Completed: 11/12/2020

Mycotoxin Analysis

Analyte	Result (CFU/g)
Coliforms	0

EVIOLABS

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www.eviolabs.com
503.954.2562

Kawai Medeiros
Lab Manager

EVIOLABS

Enterobacteriaceae Analysis Report

R&D Use only. Not for Compliance

Palmetto Synergistic Research

Info Only

Batch ID: N/A

Batch Size: N/A

EVIO Sample ID: **P201123-01**

Product Name: **Rebotanicals 50 Peppermint Tincture**

Ordered: 11/3/2020

Sampled: N/A

Completed: 11/12/2020

Mycotoxin Analysis

Analyte	Result (CFU/g)
Enterobacteriaceae	0

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Kawai Medeiros
Lab Manager

Certificate of Analysis
For R+D Use Only

P201123-01 Rebotanicals 50 Peppermint Tinctu

Account Name: **EVIO Labs - Portland**
Producer Name: **N/A**
Producer Address: **N/A**
Producer Lic#: **N/A**
Distributor Name: **N/A**
Distributor Address: **N/A**
Distributor Lic#: **N/A**

Sample ID: **3003674**
Sample Type: **Tincture**
Pick-Up Date: **N/A**
Received Date: **2020-11-11**
Sample Accession Date: **2020-11-11**
Analysis Completed Date: **2020-11-13**
Lot/Batch #: **N/A**
Sample Weight/Volume: **2.5022 g**
Sample Unit Count: **N/A**
Batch Weight/Volume: **N/A**
Batch Unit Count: **N/A**
Package Weight/Volume: **N/A**
Serving Weight/Volume: **N/A**
Density: **NT**
Water Activity (aw): **NT**
Water Activity Pass/Fail: **N/A**
Moisture Content (%): **NT**
Foreign Matter Pass/Fail: **N/A**
METRC Source UID: **N/A**

Heavy Metals

Analyte	LOD (µg/g or µg/mL)	LOQ (µg/g or µg/mL)	Results (µg/g or µg/mL)
Arsenic	0.0001	0.0004	1.3260
Cadmium	0.0001	0.0002	0.0002
Lead	0.0001	0.0002	ND
Mercury	0.00003	0.0001	ND

Instrument	Method	Accession Date	Panel Completed Date
IR-NEXION01	SOP-TP.03.2020.V02 Heavy Metals	2020-11-11	2020-11-13

SIGNATURE OF CONFIRMATION

Adam Floyd
Laboratory Manager

2020-11-13
Date of Confirmation

QUALITY REVIEW

Mike Tunis

2020-11-13
Date of Quality Review

All tests were performed with relevant laboratory quality control samples (LQCs) and passed prescribed acceptance criteria according to Barclays Official California Code of Regulations (CCR) section 5730, pursuant to 16 CCR section 5726 (e)(13). Testing results are based on the sample submitted to Think20 Labs LLC in the picture and description above. Think20 Labs LLC affirms that all analytical testing was performed consistent with industry standards and in accordance with validated methods designed and verified by Think20 Labs LLC. All testing results were produced in compliance with applicable state and federal laws. This report may not be reproduced, except in full, without the written approval of Think20 Labs LLC.

Total CBD = (CBDA *0.877)+ CBD
Total THC= (THCA *0.877) + D9-THC
D9-THC % = (Component Amount in mg / 1000)
PPM to % = ((PPM/1000)/1000)*100
Moisture Content Adjustment = (Component Amount / (1000 mg - (1000 * Moisture Correction %)) * 1000
LOQ = Limit of Quantitation
LOD = Limit of Detection
ND = Not Detected
PPB - Parts per Billion
PPM - Parts per Million

Think20 labs
3 Mason Irvine, CA 92618
(949) 288-5337

Sample ID: **3003674**
Expiration Date: **2021-11-13**

BCC Lic# C8-000014-LIC

EVIOLABS

Microbial Quantitative Report

R&D Use only. Not for Compliance

Palmetto Synergistic Research

Info Only

Batch ID: N/A

Batch Size: N/A

EVIO Sample ID: **P201123-01**

Product Name: **Rebotanicals 50 Peppermint Tincture**

Ordered: 11/3/2020

Sampled: N/A

Completed: 11/11/2020

Microbial Analysis

Analyte	Result (CFU/g)
Mold Colonies	0
Yeast Colonies	0

Batch ID : P20K033

Notes: Counts greater than 25,000 CFU/g are designated as "TNTC" or "Too numerous to count". This assay is not ISO 17025 accredited and is to be used for R&D purposes only, not for regulatory compliance.

EVIOLABS
14775 SW 74th Ave
Tigard, OR 97224
www.eviolabs.com
503.954.2562

Kawai Medeiros
Lab Manager

EVIOLABS

Mycotoxin Analysis Report

R&D Use only. Not for Compliance

Palmetto Synergistic Research

Info Only

Batch ID: N/A
Batch Size: N/A

EVIO Sample ID: **P201123-01**

Product Name: **Rebotanicals 50 Peppermint Tincture**

Ordered: 11/3/2020
Sampled: N/A
Completed: 11/13/2020

Mycotoxin Analysis

Analyte	LOQ (ug/mL)	Results (ug/mL)
Aflatoxin B1	0.025	<LOQ
Aflatoxin B2	0.025	<LOQ
Aflatoxin G1	0.025	<LOQ
Aflatoxin G2	0.025	<LOQ
Ochratoxin A	1.000	<LOQ

Mycotoxin Analytical Batch ID : M20K051

Notes: LCS recoveries for all analytes 50 – 150%; Replicate recoveries <20% RSD; Sample and solvent blanks <LOQ (or ND); LOQ = Limit of Quantitation; NA = Not Applicable. This assay is not ISO 17025 accredited and is to be used for R&D purposes only, not for regulatory compliance.

EVIOLABS
540 E. Vilas Rd., Suite F
Central Point, OR 97502
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541.668.7444

Stephanie Moon
Lab Director

Report: COA Evaluation Summary

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545 SW 2nd Street. Corvallis OR. 97333 | 541.257.5002 | services@preelab.com | Preelab.com

PREE LABORATORIES

For R&D Purposes Only.

Product Description

Client: **Evio Labs**

Product Name: **P201123-01**

Process Lot: P201123-01
Process Date: 2020-11-03
Matrix: Infused Product
Metrc Source ID: n/a
Metrc Package ID: n/a
License Number: 010-10046111391
Date Collected: 2020-11-06
Date Received: 2020-11-06
Report Date: 2020-11-11
Report ID: A2508-01
Tests Requested: Pesticide Analysis

P201123-01

Evaluation Summary

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

This certificate of analysis is prepared for…

Evio Labs
14775 SW 74th Ave Tigard OR 97224

This report presents the analytical findings for the sample collected on 2020-11-06 by Dan Hanshaw and received by PREE Laboratory on 2020-11-06. The sample was assigned a laboratory ID of A2508-01. The results in this report only apply to sample A2508-01.

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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:
R&D sample results may not be used for compliance purposes.

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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Pesticide Analysis

Product Name: **P201123-01**

Analysis Date: 2020-11-10

Testing Batch ID: V911,910,909,908

Testing Method: *LSOP #307 Pesticides by LCMS/MS*

Evaluation Detail

Pesticide Name	Tested Value (ppm)	Pass Criteria (ppm)	LOQ (ppm)	Status Pass/Unsatisfactory
Abamectin	**< LOQ**	0.50	0.10	**Pass**
Acephate	**< LOQ**	0.40	0.02	**Pass**
Acequinocyl	**< LOQ**	2.00	0.10	**Pass**
Acetamiprid	**< LOQ**	0.20	0.02	**Pass**
Aldicarb	**< LOQ**	0.40	0.02	**Pass**
Azoxystrobin	**< LOQ**	0.20	0.02	**Pass**
Bifenazate	**< LOQ**	0.20	0.02	**Pass**
Bifenthrin	**< LOQ**	0.20	0.10	**Pass**
Boscalid	**< LOQ**	0.40	0.02	**Pass**
Carbaryl	**< LOQ**	0.20	0.02	**Pass**
Carbofuran	**< LOQ**	0.20	0.02	**Pass**
Chlorantraniliprole	**< LOQ**	0.20	0.02	**Pass**
Chlorfenapyr	**< LOQ**	1.00	0.50	**Pass**
Chlorpyrifos	**< LOQ**	0.20	0.02	**Pass**
Clofentezine	**< LOQ**	0.20	0.10	**Pass**
Cyfluthrin	**< LOQ**	1.00	0.50	**Pass**
Cypermethrin	**< LOQ**	1.00	0.50	**Pass**
Daminozide	**< LOQ**	1.00	0.10	**Pass**
Diazinon	**< LOQ**	0.20	0.02	**Pass**
Dichlorvos	**< LOQ**	1.00	0.10	**Pass**
Dimethoate	**< LOQ**	0.20	0.02	**Pass**
Ethoprophos	**< LOQ**	0.20	0.02	**Pass**
Etofenprox	**< LOQ**	0.40	0.10	**Pass**
Etoxazole	**< LOQ**	0.20	0.02	**Pass**
Fenoxycarb	**< LOQ**	0.20	0.02	**Pass**
Fenpyroximate	**< LOQ**	0.40	0.10	**Pass**
Fipronil	**< LOQ**	0.40	0.04	**Pass**
Flonicamid	**< LOQ**	1.00	0.02	**Pass**
Fludioxonil	**< LOQ**	0.40	0.10	**Pass**
Hexythiazox	**< LOQ**	1.00	0.02	**Pass**
Imazalil	**< LOQ**	0.20	0.02	**Pass**
Imidacloprid	**< LOQ**	0.40	0.02	**Pass**
Kresoxim-methyl	**< LOQ**	0.40	0.10	**Pass**

Continued on next page…

Report: Evaluation Detail

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PREE LABORATORIES

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Pesticide Analysis

Evaluation Detail

Pesticide Name	Tested Value (ppm)	Pass Criteria (ppm)	LOQ (ppm)	Status Pass/Unsatisfactory
Malathion	**< LOQ**	0.20	0.02	**Pass**
Metalaxyl	**< LOQ**	0.20	0.02	**Pass**
Methiocarb	**< LOQ**	0.20	0.02	**Pass**
Methomyl	**< LOQ**	0.40	0.02	**Pass**
Methyl-Parathion	**< LOQ**	0.20	0.10	**Pass**
MGK-264	**< LOQ**	0.20	0.10	**Pass**
Myclobutanil	**< LOQ**	0.20	0.10	**Pass**
Naled	**< LOQ**	0.50	0.02	**Pass**
Oxamyl	**< LOQ**	1.00	0.02	**Pass**
Paclobutrazol	**< LOQ**	0.40	0.02	**Pass**
Permethrins	**< LOQ**	0.20	0.10	**Pass**
Phosmet	**< LOQ**	0.20	0.02	**Pass**
Piperonyl butoxide	**< LOQ**	2.00	0.02	**Pass**
Prallethrin	**< LOQ**	0.20	0.10	**Pass**
Propiconazole	**< LOQ**	0.40	0.10	**Pass**
Propoxur	**< LOQ**	0.20	0.02	**Pass**
Pyrethrins	**< LOQ**	1.00	0.50	**Pass**
Pyridaben	**< LOQ**	0.20	0.02	**Pass**
Spinosad	**< LOQ**	0.20	0.02	**Pass**
Spiromesifen	**< LOQ**	0.20	0.10	**Pass**
Spirotetramat	**< LOQ**	0.20	0.02	**Pass**
Spiroxamine	**< LOQ**	0.40	0.02	**Pass**
Tebuconazole	**< LOQ**	0.40	0.02	**Pass**
Thiacloprid	**< LOQ**	0.20	0.02	**Pass**
Thiamethoxam	**< LOQ**	0.20	0.02	**Pass**
Trifloxystrobin	**< LOQ**	0.20	0.02	**Pass**

Report: Quality Check

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Pesticide Analysis

Analysis Date: 2020-11-10

Testing Batch ID: V911,910,909,908

Quality Control Detail

Pesticide Name	MB	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Abamectin	o	< 0.1	< 0.1	< 0.1
Acephate	o	< 0.02	< 0.02	< 0.02
Acequinocyl	o	< 0.1	< 0.1	< 0.1
Acetamiprid	o	< 0.02	< 0.02	< 0.02
Aldicarb	o	< 0.02	< 0.02	< 0.02
Azoxystrobin	o	< 0.02	< 0.02	< 0.02
Bifenazate	o	< 0.02	< 0.02	< 0.02
Bifenthrin	o	< 0.1	< 0.1	< 0.1
Boscalid	o	< 0.02	< 0.02	< 0.02
Carbaryl	o	< 0.02	< 0.02	< 0.02
Carbofuran	o	< 0.02	< 0.02	< 0.02
Chlorantraniliprole	o	< 0.02	< 0.02	< 0.02
Chlorfenapyr	o	< 0.5	< 0.5	< 0.5
Chlorpyrifos	o	< 0.02	< 0.02	< 0.02
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	< 0.1	< 0.1	< 0.1
Diazinon	o	< 0.02	< 0.02	< 0.02
Dichlorvos	o	< 0.1	< 0.1	< 0.1
Dimethoate	o	< 0.02	< 0.02	< 0.02
Ethoprophos	o	< 0.02	< 0.02	< 0.02
Etofenprox	o	< 0.1	< 0.1	< 0.1
Etoxazole	o	< 0.02	< 0.02	< 0.02
Fenoxycarb	o	< 0.02	< 0.02	< 0.02
Fenpyroximate	o	< 0.1	< 0.1	< 0.1
Fipronil	o	< 0.04	< 0.04	< 0.04
Flonicamid	o	< 0.02	< 0.02	< 0.02
Fludioxonil	o	< 0.1	< 0.1	< 0.1
Hexythiazox	o	< 0.02	< 0.02	< 0.02
Imazalil	o	< 0.02	< 0.02	< 0.02
Imidacloprid	o	< 0.02	< 0.02	< 0.02
Kresoxim-methyl	o	< 0.1	< 0.1	< 0.1

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Report: Quality Check

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Pesticide Analysis

Quality Control Detail

Pesticide Name	MB	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Malathion	o	< 0.02	< 0.02	< 0.02
Metalaxyl	o	< 0.02	< 0.02	< 0.02
Methiocarb	o	< 0.02	< 0.02	< 0.02
Methomyl	o	< 0.02	< 0.02	< 0.02
Methyl-Parathion	o	< 0.1	< 0.1	< 0.1
MGK-264 I	o	< 0.1	< 0.1	< 0.1
MGK-264 II	o	< 0.1	< 0.1	< 0.1
Myclobutanil	o	< 0.1	< 0.1	< 0.1
Naled	o	< 0.02	< 0.02	< 0.02
Oxamyl	o	< 0.02	< 0.02	< 0.02
Paclobutrazol	o	< 0.02	< 0.02	< 0.02
Permethrin - trans	o	< 0.1	< 0.1	< 0.1
Permethrin - cis	o	< 0.1	< 0.1	< 0.1
Phosmet	o	< 0.02	< 0.02	< 0.02
Piperonyl butoxide	o	< 0.02	< 0.02	< 0.02
Prallethrin	o	< 0.1	< 0.1	< 0.1
Propiconazole	o	< 0.1	< 0.1	< 0.1
Propoxur	o	< 0.02	< 0.02	< 0.02
Pyrethrin - Cinerin	o	< 0.5	< 0.02	< 0.5
Pyrethrin - Pyrethrins/Jasmolin	o	< 0.5	< 0.5	< 0.5
Pyridaben	o	< 0.02	< 0.02	< 0.02
Spinosyn A	o	< 0.02	0.013	< 0.02
Spinosyn D	o	< 0.02	0.019	< 0.02
Spiromesifen	o	< 0.1	< 0.1	< 0.1
Spirotetramat	o	< 0.02	< 0.02	< 0.02
Spiroxamine	o	< 0.02	< 0.02	< 0.02
Tebuconazole	o	< 0.02	< 0.02	< 0.02
Thiacloprid	o	< 0.02	< 0.02	< 0.02
Thiamethoxam	o	< 0.02	< 0.02	< 0.02
Trifloxystrobin	o	< 0.02	< 0.02	< 0.02

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Pesticide Analysis

Quality Control Detail

Pesticide Name	LCS	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Abamectin	•	1.00	0.975	0.6 - 1.4
Acephate	•	1.00	1.015	0.6 - 1.4
Acequinocyl	•	1.00	1.008	0.6 - 1.4
Acetamiprid	•	1.00	1.132	0.6 - 1.4
Aldicarb	•	1.00	1.017	0.6 - 1.4
Azoxystrobin	•	1.00	1.031	0.6 - 1.4
Bifenazate	•	1.00	0.990	0.6 - 1.4
Bifenthrin	•	1.00	1.088	0.6 - 1.4
Boscalid	•	1.00	1.064	0.6 - 1.4
Carbaryl	•	1.00	1.018	0.6 - 1.4
Carbofuran	•	1.00	1.031	0.6 - 1.4
Chlorantraniliprole	•	1.00	1.034	0.6 - 1.4
Chlorfenapyr	•	1.00	1.138	0.6 - 1.4
Chlorpyrifos	•	1.00	1.050	0.6 - 1.4
Clofentezine	•	1.00	1.005	0.6 - 1.4
Cyfluthrin	•	1.00	1.052	0.6 - 1.4
Cypermethrin	•	1.00	1.030	0.6 - 1.4
Daminozide	•	1.00	1.012	0.6 - 1.4
Diazinon	•	1.00	1.036	0.6 - 1.4
Dichlorvos	•	1.00	1.045	0.6 - 1.4
Dimethoate	•	1.00	1.098	0.6 - 1.4
Ethoprophos	•	1.00	1.060	0.6 - 1.4
Etofenprox	•	1.00	1.055	0.6 - 1.4
Etoxazole	•	1.00	1.139	0.6 - 1.4
Fenoxycarb	•	1.00	1.031	0.6 - 1.4
Fenpyroximate	•	1.00	1.072	0.6 - 1.4
Fipronil	•	1.00	0.929	0.6 - 1.4
Flonicamid	•	1.00	1.095	0.6 - 1.4
Fludioxonil	•	1.00	0.989	0.6 - 1.4
Hexythiazox	•	1.00	1.011	0.6 - 1.4
Imazalil	•	1.00	1.019	0.6 - 1.4
Imidacloprid	•	1.00	1.062	0.6 - 1.4
Kresoxim-methyl	•	1.00	1.018	0.6 - 1.4

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Pesticide Analysis

Quality Control Detail

Pesticide Name	LCS	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Malathion	●	1.00	1.003	0.6 - 1.4
Metalaxyl	●	1.00	1.067	0.6 - 1.4
Methiocarb	●	1.00	1.059	0.6 - 1.4
Methomyl	●	1.00	1.029	0.6 - 1.4
Methyl-Parathion	●	1.00	1.124	0.6 - 1.4
MGK-264 I	●	1.00	0.926	0.6 - 1.4
MGK-264 II	●	1.00	0.921	0.6 - 1.4
Myclobutanil	●	1.00	0.991	0.6 - 1.4
Naled	●	1.00	1.042	0.6 - 1.4
Oxamyl	●	1.00	1.008	0.6 - 1.4
Paclobutrazol	●	1.00	1.002	0.6 - 1.4
Permethrin - trans	●	1.00	0.962	0.6 - 1.4
Permethrin - cis	●	1.00	0.974	0.6 - 1.4
Phosmet	●	1.00	1.040	0.6 - 1.4
Piperonyl butoxide	●	1.00	1.054	0.6 - 1.4
Prallethrin	●	1.00	1.039	0.6 - 1.4
Propiconazole	●	1.00	1.036	0.6 - 1.4
Propoxur	●	1.00	1.026	0.6 - 1.4
Pyrethrin - Cinerin	●	1.00	0.950	0.6 - 1.4
Pyrethrin - Pyrethrins/Jasmolin	●	1.00	1.050	0.6 - 1.4
Pyridaben	●	1.00	1.009	0.6 - 1.4
Spinosyn A	●	1.00	1.010	0.6 - 1.4
Spinosyn D	●	1.00	0.991	0.6 - 1.4
Spiromesifen	●	1.00	1.065	0.6 - 1.4
Spirotetramat	●	1.00	1.087	0.6 - 1.4
Spiroxamine	●	1.00	1.022	0.6 - 1.4
Tebuconazole	●	1.00	1.004	0.6 - 1.4
Thiacloprid	●	1.00	1.099	0.6 - 1.4
Thiamethoxam	●	1.00	1.069	0.6 - 1.4
Trifloxystrobin	●	1.00	1.046	0.6 - 1.4

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