

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

Rebotanicals Hemp 15 Peppermint Tinctu Palmetto Synergistic Research Info Only- Edibles/Infused Project



Confident Cannabis ID: 2010ELP0144.4196

Sample ID: P201109-02

Matrix: Cannabinoid Product (liquid)

METRC Batch #:

Sampling Method/SOP: Client

Date Sampled: NA

Date Accepted: 10/30/20

Harvest/Process Lot ID: 20303

Batch ID:

Batch Size (g):

Unit for Sale:

Harvest/Production Date:

Cannabinoid Analysis

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Date/Time Extracted: 11/03/20 10:00

Analysis Method/SOP: SOP.T.40.023

Date/Time Analyzed: 11/04/20 14:16

Sample mass: 0.9664g/ mL

Cannabinoids	LOQ(%)	mg/g	mg/mL	Cannabinoid Profile
Total THC ((THCA*0.877)+Δ9THC)		0.56	0.541	
Total CBD ((CBDA*0.877)+CBD)		17.70	17.1	
THCA	0.010	< LOQ	< LOQ	
delta 9-THC	0.010	0.56	0.541	
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	17.70	17.1	
CBDV	0.010	< LOQ	< LOQ	
CBN	0.010	< LOQ	< LOQ	
CBG	0.010	< LOQ	< LOQ	
CBC	0.010	< LOQ	< LOQ	
THCV-A	0.010	< LOQ	< LOQ	
CBDV-A	0.010	< LOQ	< LOQ	
CBCA	0.010	< LOQ	< LOQ	
Sum of tested Cannabinoids	0.010	18.30	17.7	

"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 Hemp 15 Peppermint Tincture <i>Palmetto Synergistic Research</i> Info Only- Edibles/Infused Project Sample ID: P201109-02 METRC Batch #: Matrix: Cannabinoid Product	Date Sampled: NA Date Accepted: 10/30/20 Batch ID: Batch Size: Sampling Method/SOP: Client
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Residual Solvents

Analyte	LOQ	Action Level	Result	Units	
Butanes	250	5000 ³	< LOQ	ppm	<i>Date/Time Extracted: 11/03/20 15:56</i> <i>Date/Time Analyzed: 11/04/20 16:45</i> <i>Analysis Method/SOP: SOP.T.40.031</i>
n-Butane	250	5000	< LOQ	ppm	
iso-Butane	250	5000	< LOQ	ppm	
Hexanes	174	290 ⁴	< LOQ	ppm	3 - Total butanes are calculated as sum of n-butanes (CAS# 106-97-8) and iso-butane (CAS# 75-28-5)
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	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)
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	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)
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	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)
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	7 - Ethanol is not regulated under OAR-333-007-0410.
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	

Results above the action level fail Oregon state testing requirements and will be highlighted RED. LOQ=Limit of Quantitation; PPM=Parts per million; ND=Not detected; NT=Not tested; AC=Above calibration range. PASS/FAIL status based on OAR 333-007.



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Rebotanicals Hemp 15 Peppermint Ti		Date Sampled: NA
<i>Palmetto Synergistic Research</i>		Date Accepted: 10/30/20
<i>Info Only- Edibles/Infused Project</i>		Batch ID:
Sample ID: P201109-02	METRC Batch #:	Batch Size:
Matrix: Cannabinoid Product		Sampling Method/SOP: Client

Aerobic Plate Count

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

Analysis Method/SOP: SOP.T.40.046

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


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 Pharmacopoeia 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.

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Rebotanicals Hemp 15 Peppermint Ti		Date Sampled: NA
Palmetto Synergistic Research		Date Accepted: 10/30/20
Info Only- Edibles/Infused Project		Batch ID:
Sample ID: P201109-02	METRC Batch #:	Batch Size:
Matrix: Cannabinoid Product		Sampling Method/SOP: Client

Yeast and Mold Enumeration

Date/Time Extracted: 11/03/20 08:14

Analysis Method/SOP: *** DEFAULT
 SPECIFIC

Date/Time Analyzed: 11/05/20 11:26

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 Pharmacopoeia 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 appearance, 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 crevices 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: P20K005 - SOP.T.30.050PDX Prep for Cannabinoids

Blank(P20K005-BLK1)			Extracted: 11/03/20 10:00		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 Cannabinoid:	< LOQ	0.010 (%)	< LOQ				

Batch: P20K011 - SOP.T.40.040 Yeast/Mold

Blank(P20K011-BLK1)			Extracted: 11/03/20 08:14		Analyzed: 11/05/20 11:26		
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



Coliform Analysis Report

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Palmetto Synergistic Research

EVIO Sample ID:

P201109-02

Info Only

**Rebotanicals Hemp 15 Peppermint
Tincture**

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

Product Name:

Ordered: 10/30/2020
Sampled: N/A
Completed: 11/12/2020

Mycotoxin Analysis

Analyte	Result (CFU/g)
Coliforms	0



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Kawai Medeiros
Lab Manager

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Enterobacteriaceae Analysis Report

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Palmetto Synergistic Research

EVIO Sample ID:

P201109-02

Info Only

Rebotanicals Hemp 15 Peppermint Tincture

Product Name:

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

Ordered: 10/30/2020
Sampled: N/A
Completed: 11/12/2020

Mycotoxin Analysis

Analyte	Result (CFU/g)
Enterobacteriaceae	0



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P201109-02 Rebotanicals Hemp 15 Peppermint

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	ND
Cadmium	0.0001	0.0002	0.0003
Lead	0.0001	0.0002	0.0199
Mercury	0.0003	0.0001	ND

Instrument	Method	Accession Date v	Panel Completed Date
IR-NEXION01	SOP-TP-03.2020.V02 Heavy Metals	2020-11-10	2020-11-11

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**

SIGNATURE OF CONFIRMATION

Adam Floyd

Adam Floyd
Laboratory Manager

2020-11-12
Date of Confirmation

Sample ID: **3003659**
 Sample Type: **Cannabis Concentrates and Topicals**
 Pick-Up Date: **N/A**
 Received Date: **2020-11-10**
 Sample Accession Date: **2020-11-10**
 Analysis Completed Date: **2020-11-12**
 Lot/Batch #: **N/A**
 Sample Weight/Volume: **2.502 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**

QUALITY REVIEW

Mike Tunis

Mike Tunis

2020-11-12
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



Microbial Quantitative Report

R&D Use only. Not for Compliance

Palmetto Synergistic Research

EVIO Sample ID:

P201109-02

N/A

Product Name:

Rebotanicals Hemp 15 Peppermint Tincture

Batch ID: N/A

Ordered: 10/30/2020

Batch Size: N/A

Sampled: N/A

Completed: 11/5/2020

Microbial Analysis

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

Batch ID: P20K011

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.



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Kawai Medeiros
Lab Manager

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Mycotoxin Analysis Report

R&D Use only. Not for Compliance

Palmetto Synergistic Research

EVIO Sample ID:

P201109-02

Info Only

Rebotanicals Hemp 15 Peppermint

Product Name:

Tincture

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

Ordered: 10/30/2020
Sampled: N/A
Completed: 11/9/2020

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	0.200	<LOQ

Mycotoxin Analytical Batch ID: M20K038

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.



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Stephanie Moon
Lab Director

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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

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Product Description

Client: **Evio Labs**

Product Name: **P201109-02**

Process Lot:

Process Date: 2020-10-30

Matrix: Infused Product

Metrc Source ID: n/a

Metrc Package ID: n/a

License Number: 010-10046111391

Date Collected: 2020-11-04

Date Received: 2020-11-04

Report Date: 2020-11-06

Report ID: A2490-04

Tests Requested: Pesticide Analysis

Evaluation Summary

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

P201109-02

Report: Case Narrative

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 2020-11-04 by Dan Hanshaw and received by PREE Laboratory on 2020-11-04. The sample was assigned a laboratory ID of A2490-04. The results in this report only apply to sample A2490-04.

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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

Pesticide Analysis

Product Name: **P201109-02**

Analysis Date: 2020-11-05

Testing Batch ID: V905,904,903,902,901,900

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	0.04	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	0.02	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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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	0.02	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: 2020-11-05

Testing Batch ID: V905,904,903,902,901,900

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	< 0.04	< 0.04	< 0.04
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	< 0.02	< 0.02	< 0.02
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	< 0.02	< 0.02	< 0.02
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	< 0.02	< 0.02
Spinosyn D	o	< 0.02	< 0.02	< 0.02
Spiromesifen	o	< 0.1	< 0.1	< 0.1
Spirotetramat	o	< 0.02	< 0.02	< 0.02
Spiroxamine	o	< 0.02	0.011	< 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	0.944	0.6 - 1.4
Acephate	•	1.00	0.915	0.6 - 1.4
Acequinocyl	•	1.00	0.919	0.6 - 1.4
Acetamiprid	•	1.00	0.943	0.6 - 1.4
Aldicarb	•	1.00	1.012	0.6 - 1.4
Azoxystrobin	•	1.00	0.869	0.6 - 1.4
Bifenazate	•	1.00	1.023	0.6 - 1.4
Bifenthrin	•	1.00	0.956	0.6 - 1.4
Boscalid	•	1.00	0.996	0.6 - 1.4
Carbaryl	•	1.00	0.995	0.6 - 1.4
Carbofuran	•	1.00	0.940	0.6 - 1.4
Chlorantraniliprole	•	1.00	1.042	0.6 - 1.4
Chlorfenapyr	•	1.00	0.942	0.6 - 1.4
Chlorpyrifos	•	1.00	0.957	0.6 - 1.4
Clofentezine	•	1.00	0.973	0.6 - 1.4
Cyfluthrin	•	1.00	1.045	0.6 - 1.4
Cypermethrin	•	1.00	1.008	0.6 - 1.4
Daminozide	•	1.00	0.804	0.6 - 1.4
Diazinon	•	1.00	1.054	0.6 - 1.4
Dichlorvos	•	1.00	0.965	0.6 - 1.4
Dimethoate	•	1.00	0.988	0.6 - 1.4
Ethoprophos	•	1.00	1.027	0.6 - 1.4
Etofenprox	•	1.00	0.930	0.6 - 1.4
Etoxazole	•	1.00	1.017	0.6 - 1.4
Fenoxycarb	•	1.00	1.059	0.6 - 1.4
Fenpyroximate	•	1.00	0.978	0.6 - 1.4
Fipronil	•	1.00	0.944	0.6 - 1.4
Flonicamid	•	1.00	0.990	0.6 - 1.4
Fludioxonil	•	1.00	1.033	0.6 - 1.4
Hexythiazox	•	1.00	0.989	0.6 - 1.4
Imazalil	•	1.00	1.008	0.6 - 1.4
Imidacloprid	•	1.00	0.914	0.6 - 1.4
Kresoxim-methyl	•	1.00	0.939	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	1.005	0.6 - 1.4
Metalaxyl	•	1.00	1.027	0.6 - 1.4
Methiocarb	•	1.00	0.986	0.6 - 1.4
Methomyl	•	1.00	0.991	0.6 - 1.4
Methyl-Parathion	•	1.00	0.887	0.6 - 1.4
MGK-264 I	•	1.00	0.964	0.6 - 1.4
MGK-264 II	•	1.00	0.999	0.6 - 1.4
Myclobutanil	•	1.00	0.961	0.6 - 1.4
Naled	•	1.00	0.913	0.6 - 1.4
Oxamyl	•	1.00	0.984	0.6 - 1.4
Paclobutrazol	•	1.00	0.983	0.6 - 1.4
Permethrin - trans	•	1.00	0.940	0.6 - 1.4
Permethrin - cis	•	1.00	0.973	0.6 - 1.4
Phosmet	•	1.00	1.027	0.6 - 1.4
Piperonyl butoxide	•	1.00	0.999	0.6 - 1.4
Prallethrin	•	1.00	0.895	0.6 - 1.4
Propiconazole	•	1.00	1.135	0.6 - 1.4
Propoxur	•	1.00	0.944	0.6 - 1.4
Pyrethrin - Cinerin	•	1.00	1.019	0.6 - 1.4
Pyrethrin - Pyrethrins/Jasmolin	•	1.00	0.971	0.6 - 1.4
Pyridaben	•	1.00	1.020	0.6 - 1.4
Spinosyn A	•	1.00	0.890	0.6 - 1.4
Spinosyn D	•	1.00	0.866	0.6 - 1.4
Spiromesifen	•	1.00	0.943	0.6 - 1.4
Spirotetramat	•	1.00	0.948	0.6 - 1.4
Spiroxamine	•	1.00	0.907	0.6 - 1.4
Tebuconazole	•	1.00	1.022	0.6 - 1.4
Thiacloprid	•	1.00	0.880	0.6 - 1.4
Thiamethoxam	•	1.00	0.957	0.6 - 1.4
Trifloxystrobin	•	1.00	0.963	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