

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

## Rebotanicals Hemp 15 Classic Tincture Palmetto Synergistic Research Info Only- Edibles/Infused Project



Confident Cannabis ID: 2010ELP0144.4195

Sample ID: P201109-01

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

FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

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

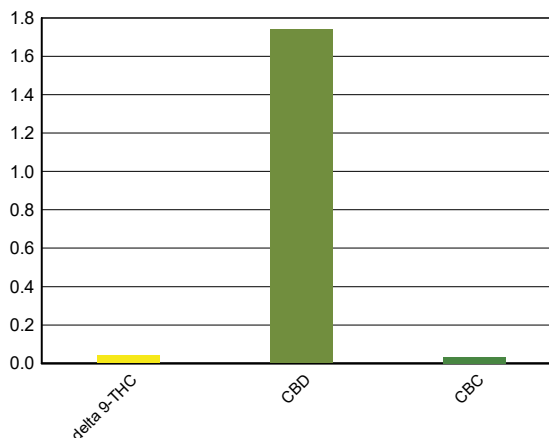
Analysis Method/SOP: SOP.T.40.023

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

Sample mass: 0.9584g/ mL

Cannabinoids	LOQ(%)	mg/g	mg/mL	Cannabinoid Profile
<b>Total THC</b> ((THCA*0.877)+Δ9THC)		<b>0.42</b>	<b>0.403</b>	
<b>Total CBD</b> ((CBDA*0.877)+CBD)		<b>17.40</b>	<b>16.7</b>	

THCA	0.010	< LOQ	< LOQ
delta 9-THC	0.010	0.42	0.403
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	17.40	16.7
CBDV	0.010	< LOQ	< LOQ
CBN	0.010	< LOQ	< LOQ
CBG	0.010	< LOQ	< LOQ
CBC	0.010	0.32	0.307
THCV-A	0.010	< LOQ	< LOQ
CBDV-A	0.010	< LOQ	< LOQ
CBCA	0.010	< LOQ	< LOQ
Sum of tested Cannabinoids	0.010	18.10	17.3



"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

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

FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

## Rebotanicals Hemp 15 Classic Tincture

Palmetto Synergistic Research

Info Only- Edibles/Infused Project

Sample ID: P201109-01 METRC Batch #:

Matrix: Cannabinoid Product

Date Sampled: NA

Date Accepted: 10/30/20

Batch ID:

Batch Size:

Sampling Method/SOP: Client

### Residual Solvents

Analyte	LOQ	Action Level	Result	Units
<b>Butanes</b>	250	5000 <sup>3</sup>	< LOQ	ppm
n-Butane	250	5000	< LOQ	ppm
iso-Butane	250	5000	< LOQ	ppm
<b>Hexanes</b>	174	290 <sup>4</sup>	< 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
<b>Pentanes</b>	1400	5000 <sup>5</sup>	< LOQ	ppm
n-Pentane	1400	5000	< LOQ	ppm
iso-Pentane	1400	5000	< LOQ	ppm
Neopentane	250	5000	< LOQ	ppm
<b>Xylenes</b>	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 <sup>7</sup>	< LOQ	ppm

Date/Time Extracted: 11/03/20 15:56

Date/Time Analyzed: 11/04/20 16:45

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

Page 2 of 5

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

*FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES*

## Rebotanicals Hemp 15 Classic Tinctu

Palmetto Synergistic Research

Info Only- Edibles/Infused Project

Sample ID: P201109-01

METRC Batch #:

Matrix: Cannabinoid Product

Date Sampled: NA

Date Accepted: 10/30/20

Batch ID:

Batch Size:

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 CO<sub>2</sub> 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

Page 3 of 5

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

FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

<b>Rebotanicals Hemp 15 Classic Tincture</b>		Date Sampled: NA
Palmetto Synergistic Research		Date Accepted: 10/30/20
Info Only- Edibles/Infused Project		Batch ID:
Sample ID: P201109-01	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

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

## 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

R&D Use only. Not for  
Compliance

**Palmetto Synergistic Research**

***EVIO Sample ID:***

**P201109-01**

**Info Only**

***Product Name:***

**Rebotanicals Hemp 15 Classic**

*Batch ID:* N/A

*Ordered:* 10/30/2020

*Batch Size:* N/A

*Sampled:* N/A

*Completed:* 11/12/2020

### Mycotoxin Analysis

Analyte	Result (CFU/g)
Coliforms	0



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

Kawai Medeiros  
Lab Manager

This report shall not be reproduced, unless in its entirety, without written approval from EVIO Labs, Inc. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. microbial content of batch material may vary depending on sampling error. Revised 11/12/20.



# Enterobacteriaceae Analysis Report

R&D Use only. Not for Compliance

Palmetto Synergistic Research

*EVIO Sample ID:*

**P201109-01**

### Info Only

**Rebotanicals Hemp 15 Classic 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



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

**Kawai Medeiros**  
Lab Manager

This report shall not be reproduced, unless in its entirety, without written approval from EVIO Labs, Inc. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. microbial content of batch material may vary depending on sampling error. Revised 11/12/20.

### P201109-01 Rebotanicals Hemp 15 Cl

### 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 0.0002
Lead		0.0001	0.0002 0.0215
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

#### QUALITY REVIEW

*Mike Tunis*

Mike Tunis

2020-11-12  
Date of Quality Review

Sample ID: **3003658**  
 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: **2.506 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**

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:**

**P201109-01**

**N/A**

**Product Name:**

**Rebotanicals Hemp 15 Classic 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.



14775 SW 74th Ave  
Tigard, OR 97224

www.eviolabs.com  
503.954.2562

**Kawai Medeiros**  
Lab Manager

This report shall not be reproduced, unless in its entirety, without written approval from EVIO Labs, Inc. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. microbial content of batch material may vary depending on sampling error.



# Mycotoxin Analysis Report

R&D Use only. Not for Compliance

**Palmetto Synergistic Research**

**EVIO Sample ID:**

**P201109-01**

**Info Only**

**Rebotanicals Hemp 15 Classic Tincture**

**Product Name:**

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.



540 E. Vilas Rd., Suite F  
Central Point, OR 97502  
www.eviolabs.com  
541.668.7444

**Stephanie Moon**  
Lab Director

This report shall not be reproduced, unless in its entirety, without written approval from EVIO Labs, Inc., and Kenevir Research. This report is a Kenevir Research certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Mycotoxin content of batch material may vary depending on sampling error. Sampling method: EVIO-SOP-018; ORELAP-SOP-002.

# 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 R&D Purposes Only.*

## Product Description

Client: **Evio Labs**

Product Name: **P201109-01**

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: A2490-03

Tests Requested: Pesticide Analysis

## Evaluation Summary

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

**P201109-01**

# 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 A2490-03. The results in this report only apply to sample A2490-03.

This report shall not be reproduced, except in full, without written consent of PREE Laboratory. Report alterations by any other entity beside PREE Laboratory are not allowed. If alterations are made to the original report after the initial release, they will be noted on the case narrative below.

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: **P201109-01**

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

## 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	0.034	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

## 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

Continued on next page...

# Report: Quality Check



OLCC License No. 10087092BDA | ORELAP ID. 4147

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

*For R&D Purposes Only.*

## 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

Continued on next page...



# Report: Quality Check



OLCC License No. 10087092BDA | ORELAP ID. 4147

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

*For R&D Purposes Only.*

## 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

Continued on next page...

# Report: Quality Check



OLCC License No. 10087092BDA | ORELAP ID. 4147

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

*For R&D Purposes Only.*

## 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