

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

## Rebotanicals 200mg Lavender Roll On Palmetto Synergistic Research Info Only- Edibles/Infused Project



Confident Cannabis ID: 2008ELP0105.2961

Sample ID: P200763-01

Matrix: Cannabinoid Product (liquid)

METRC Batch #:

Sampling Method/SOP: Client

Date Sampled: NA

Date Accepted: 08/21/20

Harvest/Process Lot ID: CB20027

Batch ID:

Batch Size (g):

Unit for Sale:

Harvest/Production Date:

### Cannabinoid Analysis

FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

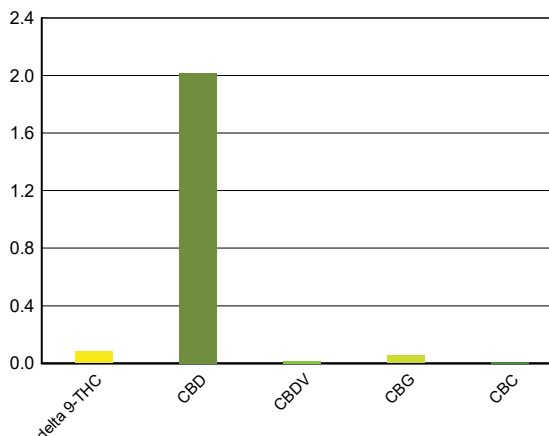
Date/Time Extracted: 08/24/20 11:34

Analysis Method/SOP: SOP.T.40.023

Date/Time Analyzed: 08/25/20 12:53

Cannabinoids	LOQ(%)	mg/g	% weight	Cannabinoid Profile
<b>Total THC</b> ((THCA*0.877)+Δ9THC)		<b>0.81</b>	<b>0.081</b>	
<b>Total CBD</b> ((CBDA*0.877)+CBD)		<b>20.10</b>	<b>2.010</b>	

THCA	0.005	< LOQ	< LOQ
delta 9-THC	0.005	0.81	0.081
delta 8-THC	0.005	< LOQ	< LOQ
THCV	0.005	< LOQ	< LOQ
CBGA	0.005	< LOQ	< LOQ
CBDA	0.005	< LOQ	< LOQ
CBD	0.005	20.10	2.01
CBDV	0.005	0.17	0.017
CBN	0.005	< LOQ	< LOQ
CBG	0.005	0.55	0.055
CBC	0.005	0.08	0.008
THCV-A	0.005	< LOQ	< LOQ
CBDV-A	0.005	< LOQ	< LOQ
Sum of tested Cannabinoids	0.005	21.80	2.18



"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 - 8/28/2020

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## Rebotanicals 200mg Lavender Roll On

Palmetto Synergistic Research

Info Only- Edibles/Infused Project

Sample ID: P200763-01 METRC Batch #:

Matrix: Cannabinoid Product

Date Sampled: NA

Date Accepted: 08/21/20

Batch ID:

Batch Size:

Sampling Method/SOP: Client

### Terpene Analysis

Date/Time Extracted: 08/24/20 13:06

Analysis Method/SOP: SOP.T.40.092

Date/Time Analyzed: 08/25/20 09:47

Analyte	LOQ (mg/g)	Mass (mg/g)	Mass (%)	Analyte	LOQ (mg/g)	Mass (mg/g)	Mass (%)
alpha-Pinene	0.020	0.023	0.0023	beta-Pinene	0.020	< LOQ	< LOQ
Camphene	0.020	< LOQ	< LOQ	Sabinene	0.020	< LOQ	< LOQ
Sabinene hydrate	0.020	< LOQ	< LOQ	beta-Myrcene	0.020	0.050	0.005
p-Mentha-1,5-diene	0.020	< LOQ	< LOQ	(+)-3-Carene	0.020	< LOQ	< LOQ
alpha-Terpinene	0.020	< LOQ	< LOQ	gamma-Terpinene	0.020	< LOQ	< LOQ
Limonene	0.020	0.034	0.0034	Eucalyptol	0.020	0.222	0.0222
Guaiol	0.020	< LOQ	< LOQ	Terpinolene	0.020	< LOQ	< LOQ
Linalool	0.020	2.71	0.271	Camphor	0.020	0.111	0.0111
(+)-Camphor	0.020	0.127	0.0127	(-)-Camphor	0.020	0.106	0.0106
Isopulegol	0.020	< LOQ	< LOQ	Isoborneol	0.020	< LOQ	< LOQ
Borneol	0.020	0.126	0.0126	Hexahydrothymol	0.020	< LOQ	< LOQ
Geraniol	0.020	< LOQ	< LOQ	(+)-Pulegone	0.020	< LOQ	< LOQ
Nerol	0.020	0.027	0.0027	cis-Nerolidol	0.020	< LOQ	< LOQ
trans-Nerolidol	0.020	< LOQ	< LOQ	Geranyl acetate	0.020	0.048	0.0048
alpha-Cedrene	0.020	< LOQ	< LOQ	trans-Caryophyllene	0.020	0.145	0.0145
Caryophyllene Oxide	0.020	0.026	0.0026	alpha-Humulene	0.020	< LOQ	< LOQ
Valencene	0.020	< LOQ	< LOQ	alpha-Farnesene	0.020	< LOQ	< LOQ
beta-Farnesene	0.020	< LOQ	< LOQ	Cedrol	0.020	< LOQ	< LOQ
alpha-Bisabolol	0.020	0.043	0.0043	Fenchone	0.020	< LOQ	< LOQ
Fenchyl Alcohol	0.020	< LOQ	< LOQ	trans, beta- Ocimene	0.020	0.546	0.0546
beta, cis- Ocimene	0.020	0.131	0.0131	Terpineol	0.020	0.128	0.0128
Total (Sum):						4.60	0.46

Analysis performed on GCMS with confirmation ion identification. Terpene analysis is not ORELAP accredited.  
 Results reported as wet weight, or as is. LOQ = Limit of Quantitation.



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Page 2 of 5

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## Rebotanicals 200mg Lavender Roll On

Palmetto Synergistic Research

Info Only- Edibles/Infused Project

Sample ID: P200763-01 METRC Batch #:

Matrix: Cannabinoid Product

Date Sampled: NA

Date Accepted: 08/21/20

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: 08/26/20 13:49

Date/Time Analyzed: 08/27/20 10:29

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.



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<b>Rebotanicals 200mg Lavender Roll O</b>		Date Sampled: NA
Palmetto Synergistic Research		Date Accepted: 08/21/20
Info Only- Edibles/Infused Project		Batch ID:
Sample ID: P200763-01	METRC Batch #:	Batch Size:
Matrix: Cannabinoid Product		Sampling Method/SOP: Client

## Yeast and Mold Enumeration

Date/Time Extracted: 08/18/20 16:53

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

Date/Time Analyzed: 08/26/20 17:02

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.



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## Quality Control

**Batch: P20H112 - SOP.T.40.092 PDX Terpenoid Analysis via GC-MS**

Blank(P20H112-BLK1)			Extracted: 08/24/20 13:06		Analyzed: 08/25/20 09:47		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
alpha-Pinene	< LOQ	0.400 (mg/g)	< LOQ	beta-Pinene	< LOQ	0.400 (mg/g)	< LOQ
Camphene	< LOQ	0.400 (mg/g)	< LOQ	Sabinene	< LOQ	0.400 (mg/g)	< LOQ
Sabinene hydrate	< LOQ	0.400 (mg/g)	< LOQ	beta-Myrcene	< LOQ	0.400 (mg/g)	< LOQ
p-Mentha-1,5-diene	< LOQ	0.400 (mg/g)	< LOQ	(+)-3-Carene	< LOQ	0.400 (mg/g)	< LOQ
alpha-Terpinene	< LOQ	0.400 (mg/g)	< LOQ	gamma-Terpinene	< LOQ	0.400 (mg/g)	< LOQ
Limonene	< LOQ	0.400 (mg/g)	< LOQ	Eucalyptol	< LOQ	0.400 (mg/g)	< LOQ
Guaiol	< LOQ	0.400 (mg/g)	< LOQ	Terpinolene	< LOQ	0.400 (mg/g)	< LOQ
Linalool	< LOQ	0.400 (mg/g)	< LOQ	Camphor	< LOQ	0.400 (mg/g)	< LOQ
(+)-Camphor	< LOQ	0.400 (mg/g)	< LOQ	(-)-Camphor	< LOQ	0.400 (mg/g)	< LOQ
Isopulegol	< LOQ	0.400 (mg/g)	< LOQ	Isoborneol	< LOQ	0.400 (mg/g)	< LOQ
Borneol	< LOQ	0.400 (mg/g)	< LOQ	Hexahydrothymol	< LOQ	0.400 (mg/g)	< LOQ
Geraniol	< LOQ	0.400 (mg/g)	< LOQ	(+)-Pulegone	< LOQ	0.400 (mg/g)	< LOQ
Nerol	< LOQ	0.400 (mg/g)	< LOQ	cis-Nerolidol	< LOQ	0.400 (mg/g)	< LOQ
trans-Nerolidol	< LOQ	0.400 (mg/g)	< LOQ	Geranyl acetate	< LOQ	0.400 (mg/g)	< LOQ
alpha-Cedrene	< LOQ	0.400 (mg/g)	< LOQ	trans-Caryophyllene	< LOQ	0.400 (mg/g)	< LOQ
Caryophyllene Oxide	< LOQ	0.400 (mg/g)	< LOQ	alpha-Humulene	< LOQ	0.400 (mg/g)	< LOQ
Valencene	< LOQ	0.400 (mg/g)	< LOQ	alpha-Farnesene	< LOQ	0.400 (mg/g)	< LOQ
beta-Farnesene	< LOQ	0.400 (mg/g)	< LOQ	Cedrol	< LOQ	0.400 (mg/g)	< LOQ
alpha-Bisabolol	< LOQ	0.400 (mg/g)	< LOQ	Fenchone	< LOQ	0.400 (mg/g)	< LOQ
Fenchyl Alcohol	< LOQ	0.400 (mg/g)	< LOQ	trans, beta- Ocimene	< LOQ	0.400 (mg/g)	< LOQ
beta, cis- Ocimene	< LOQ	0.400 (mg/g)	< LOQ	Terpineol	< LOQ	0.400 (mg/g)	< LOQ

**Batch: P20H117 - SOP.T.30.050PDX Prep for Cannabinoids**

Blank(P20H117-BLK1)			Extracted: 08/24/20 11:34		Analyzed: 08/25/20 12:53		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
THCA	< LOQ	0.005 (%)	< LOQ	delta 9-THC	< LOQ	0.005 (%)	< LOQ
delta 8-THC	< LOQ	0.005 (%)	< LOQ	THCV-A	< LOQ	0.005 (%)	< LOQ
THCV	< LOQ	0.005 (%)	< LOQ	CBDA	< LOQ	0.005 (%)	< LOQ
CBD	< LOQ	0.005 (%)	< LOQ	CBDV-A	< LOQ	0.005 (%)	< LOQ
CBDV	< LOQ	0.005 (%)	< LOQ	CBG	< LOQ	0.005 (%)	< LOQ
CBGA	< LOQ	0.005 (%)	< LOQ	CBN	< LOQ	0.005 (%)	< LOQ
CBC	< LOQ	0.005 (%)	< LOQ	Sum of tested Cannabinoid:	< LOQ	0.005 (%)	< LOQ



Kawai Medeiros  
Laboratory Manager - 8/28/2020



# Microbial Quantitative Report

R&D Use only. Not for Compliance

**Palmetto Synergistic Research**

**EVIO Sample ID:**

**P200763-01**

**Info Only**

**Product Name:**

**Rebotanicals 200mg Lavender Roll On**

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

*Ordered:* 8/21/2020  
*Sampled:* N/A  
*Completed:* 8/26/2020

## Microbial Analysis

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

*Batch ID:* P20H101

*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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