

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

10 mL Unflav. Tincture Columbia Care INFO ONLY



Confident Cannabis ID: 2009ELP0064.3302

Sample ID: P200882-01

Matrix: Cannabinoid Product (liquid)

METRC Batch #:

Sampling Method/SOP: Client

Date Sampled: NA

Date Accepted: 09/18/20

Harvest/Process Lot ID:

Batch ID: 52449

Batch Size (g):

Unit for Sale:

Harvest/Production Date:

Cannabinoid Analysis

FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

Date/Time Extracted: 09/18/20 10:46

Analysis Method/SOP: SOP.T.40.023

Date/Time Analyzed: 09/23/20 10:35

Cannabinoids	LOQ(%)	mg/g	% weight	Cannabinoid Profile
Total THC ((THCA*0.877)+Δ9THC)		<LOQ	<LOQ	
Total CBD ((CBDA*0.877)+CBD)		105.00	10.500	
THCA	0.200	< LOQ	< LOQ	
delta 9-THC	0.200	< LOQ	< LOQ	
delta 8-THC	0.200	< LOQ	< LOQ	
THCV	0.200	< LOQ	< LOQ	
CBGA	0.200	< LOQ	< LOQ	
CBDA	0.200	< LOQ	< LOQ	
CBD	0.200	105.00	10.5	
CBDV	0.200	< LOQ	< LOQ	
CBN	0.200	< LOQ	< LOQ	
CBG	0.200	< LOQ	< LOQ	
CBC	0.200	< LOQ	< LOQ	
THCV-A	0.200	< LOQ	< LOQ	
CBDV-A	0.200	< LOQ	< LOQ	
CBCA	0.200	< LOQ	< LOQ	
Sum of tested Cannabinoids	0.200	107.00	10.7	

"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 - 9/23/2020

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10 mL Unflav. Tincture

Columbia Care

INFO ONLY

Sample ID: P200882-01 METRC Batch #:

Matrix: Cannabinoid Product

Date Sampled: NA

Date Accepted: 09/18/20

Batch ID: 52449

Batch Size:

Sampling Method/SOP: Client

Terpene Analysis

Date/Time Extracted: 09/21/20 14:54

Analysis Method/SOP: SOP.T.40.092

Date/Time Analyzed: 09/22/20 10:48

Analyte	LOQ (mg/g)	Mass (mg/g)	Mass (%)	Analyte	LOQ (mg/g)	Mass (mg/g)	Mass (%)
alpha-Pinene	0.020	< LOQ	< LOQ	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	< LOQ	< LOQ
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	< LOQ	< LOQ	Eucalyptol	0.020	< LOQ	< LOQ
Guaiol	0.020	0.020	0.002	Terpinolene	0.020	< LOQ	< LOQ
Linalool	0.020	< LOQ	< LOQ	Camphor	0.020	< LOQ	< LOQ
(+)-Camphor	0.020	< LOQ	< LOQ	(-)-Camphor	0.020	< LOQ	< LOQ
Isopulegol	0.020	< LOQ	< LOQ	Isoborneol	0.020	< LOQ	< LOQ
Borneol	0.020	< LOQ	< LOQ	Hexahydrothymol	0.020	< LOQ	< LOQ
Geraniol	0.020	< LOQ	< LOQ	(+)-Pulegone	0.020	< LOQ	< LOQ
Nerol	0.020	< LOQ	< LOQ	cis-Nerolidol	0.020	< LOQ	< LOQ
trans-Nerolidol	0.020	< LOQ	< LOQ	Geranyl acetate	0.020	< LOQ	< LOQ
alpha-Cedrene	0.020	< LOQ	< LOQ	trans-Caryophyllene	0.020	< LOQ	< LOQ
Caryophyllene Oxide	0.020	< LOQ	< LOQ	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	0.095	0.0095	Fenchone	0.020	< LOQ	< LOQ
Fenchyl Alcohol	0.020	< LOQ	< LOQ	trans, beta- Ocimene	0.020	< LOQ	< LOQ
beta, cis- Ocimene	0.020	< LOQ	< LOQ	Terpineol	0.020	< LOQ	< LOQ
Total (Sum):						0.12	0.01

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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Columbia Care

INFO ONLY

Sample ID: P200882-01

METRC Batch #:

Matrix: Cannabinoid Product

Date Sampled: NA

Date Accepted: 09/18/20

Batch ID: 52449

Batch Size:

Sampling Method/SOP: Client

Pesticides

Date/Time Extracted: 09/18/20 10:47

Date/Time Analyzed: 9/18/2020 2:59:27PM

Analysis Method/SOP: SOP.T.40.050 / SOP.T.40.051

Analyte	LOQ	Action Level	Result	Units	Type
Abamectin	0.250	0.5	< LOQ	ppm	
Acephate	0.200	0.4	< LOQ	ppm	Organophosphate insecticide
Acequinocyl	1.00	2	< LOQ	ppm	
Acetamiprid	0.100	0.2	< LOQ	ppm	Neonicotinoid insecticide
Aldicarb	0.200	0.4	< LOQ	ppm	Carbamate insecticide
Azoxystrobin	0.100	0.2	< LOQ	ppm	
Bifenazate	0.100	0.2	< LOQ	ppm	Unclassified insecticide
Bifenthrin	0.100	0.2	< LOQ	ppm	
Boscalid	0.200	0.4	< LOQ	ppm	Anilide fungicide
Carbaryl	0.100	0.2	< LOQ	ppm	Carbamate insecticide
Carbofuran	0.100	0.2	< LOQ	ppm	Carbamate insecticide
Chlorantraniliprole	0.100	0.2	< LOQ	ppm	Anthranilic diamide insecticide
Chlorfenapyr	0.500	1	< LOQ	ppm	Pyrazole insecticide
Chlorpyrifos	0.100	0.2	< LOQ	ppm	Organophosphate insecticide
Clofentezine	0.100	0.2	< LOQ	ppm	
Cyfluthrin	0.500	1	< LOQ	ppm	
Cypermethrin	0.500	1	< LOQ	ppm	
Daminozide	0.500	1	< LOQ	ppm	
DDVP (Dichlorvos)	0.500	1	< LOQ	ppm	
Diazinon	0.100	0.2	< LOQ	ppm	Organophosphate insecticide
Dimethoate	0.100	0.2	< LOQ	ppm	
Ethoprophos	0.100	0.2	< LOQ	ppm	
Etofenprox	0.200	0.4	< LOQ	ppm	
Etoxazole	0.100	0.2	< LOQ	ppm	Unclassified miticide
Fenoxycarb	0.100	0.2	< LOQ	ppm	
Fenpyroximate	0.200	0.4	< LOQ	ppm	
Fipronil	0.200	0.4	< LOQ	ppm	Pyrazole insecticide
Fonicamid	0.500	1	< LOQ	ppm	Pyridinecarboxamide insecticide
Fludioxonil	0.200	0.4	< LOQ	ppm	non-systemic fungicide
Hexythiazox	0.500	1	< LOQ	ppm	
Imazalil	0.100	0.2	< LOQ	ppm	Azole fungicide
Imidacloprid	0.200	0.4	< LOQ	ppm	Neonicotinoid insecticide
Kresoxim-methyl	0.200	0.4	< LOQ	ppm	
Malathion	0.100	0.2	< LOQ	ppm	
Metalaxyl	0.100	0.2	< LOQ	ppm	
Methiocarb	0.100	0.2	< LOQ	ppm	Carbamate insecticide



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Date Accepted: 09/18/20

Batch ID: 52449

Batch Size:

Sampling Method/SOP: Client

Pesticides

Date/Time Extracted: 09/18/20 10:47

Date/Time Analyzed: 9/18/2020 2:59:27PM

Analysis Method/SOP: SOP.T.40.050 / SOP.T.40.051

Analyte	LOQ	Action Level	Result	Units	Type
Methomyl	0.200	0.4	< LOQ	ppm	Carbamate insecticide
Methyl parathion	0.100	0.2	< LOQ	ppm	
MGK-264	0.100	0.2	< LOQ	ppm	
Myclobutanil	0.100	0.2	< LOQ	ppm	Azole fungicide
Naled	0.250	0.5	< LOQ	ppm	
Oxamyl	0.500	1	< LOQ	ppm	Carbamate insecticide
Paclobutrazol	0.200	0.4	< LOQ	ppm	Azole plant growth regulator
Permethrins	0.100	0.2	< LOQ	ppm	
Phosmet	0.100	0.2	< LOQ	ppm	Organophosphate insecticide
Piperonyl butoxide	1.00	2	< LOQ	ppm	
Prallethrin	0.100	0.2	< LOQ	ppm	
Propiconazole	0.200	0.4	< LOQ	ppm	
Propoxur	0.100	0.2	< LOQ	ppm	Carbamate insecticide
Pyrethrins	0.500	1	< LOQ	ppm	
Pyridaben	0.100	0.2	< LOQ	ppm	Unclassified insecticide
Spinosad	0.100	0.2	< LOQ	ppm	Spinosyn insecticide
Spiromesifen	0.100	0.2	< LOQ	ppm	Keto-enol insecticide
Spirotetramat	0.100	0.2	< LOQ	ppm	Keto-enol insecticide
Spiroxamine	0.200	0.4	< LOQ	ppm	Unclassified fungicide
Tebuconazole	0.200	0.4	< LOQ	ppm	
Thiacloprid	0.100	0.2	< LOQ	ppm	
Thiamethoxam	0.100	0.2	< LOQ	ppm	Neonicotinoid insectide
Trifloxystrobin	0.100	0.2	< LOQ	ppm	Strobin fungicide

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. Pesticide testing performed in conjunction with EVIO Labs Medford, an ORELAP accredited laboratory.



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Matrix: Cannabinoid Product

Date Sampled: NA

Date Accepted: 09/18/20

Batch ID: 52449

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: 09/16/20 09:45

Date/Time Analyzed: 09/16/20 14:19

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.

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METRC Batch #:

Matrix: Cannabinoid Product

Date Sampled: NA

Date Accepted: 09/18/20

Batch ID: 52449

Batch Size:

Sampling Method/SOP: Client

Yeast and Mold Enumeration

Date/Time Extracted: 09/15/20 09:49

Analysis Method/SOP: *** DEFAULT
 SPECIFIC

Date/Time Analyzed: 09/21/20 11:03

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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