

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

**CBD Isolate**  
*Vanguard CBD*  
 Informational Only



**Confident Cannabis ID:** 1912ELP0075.5639  
**Sample ID:** P191294-01  
**Matrix:** Extract/Concentrate  
**METRC Batch #:**  
**Sampling Method/SOP:** SOP.T.20.010  
**Date Sampled:** 12/13/19 09:00  
**Date Accepted:** 12/13/19  
**Harvest/Process Lot ID:**

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

## Cannabinoid Analysis

**FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES**

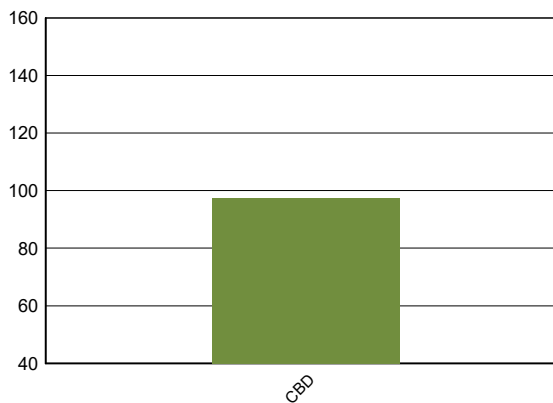
Date/Time Extracted: 12/16/19 12:06  
 Date/Time Analyzed: 12/17/19 11:00

Analysis Method/SOP: SOP.T.40.023

Cannabinoids	LOQ(%)	mg/g	% weight	Cannabinoid Profile
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<b>Total THC</b> ((THCA*0.877)+Δ9THC)		<b>&lt;LOQ</b>	<b>&lt;LOQ</b>	
<b>Total CBD</b> ((CBDA*0.877)+CBD)		<b>974.00</b>	<b>97.400</b>	

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	974.00	97.4
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
Sum of tested Cannabinoids	0.200	974.00	97.4



"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 - 12/19/2019

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## CBD Isolate

**Vanguard CBD**

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**Sample ID: P191294-01**

**METRC Batch #:**

**Matrix: Extract/Concentrate**

**Date Sampled: 12/13/19 09:00**

**Date Accepted: 12/13/19**

**Batch ID:**

**Batch Size:**

**Sampling Method/SOP: SOP.T.20.010**

### Pesticides

*Date/Time Extracted: 12/18/19 17:16*

*Date/Time Analyzed: 12/19/2019 1:40:00PM*

*Analysis Method/SOP: SOP.T.40.051 PDX*

Analyte	LOQ	Action Level	Result	Units	Type
Abamectin	0.200	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	0.400	1	< LOQ	ppm	Pyrazole insecticide
Chlorpyrifos	0.100	0.2	< LOQ	ppm	Organophosphate insecticide
Clofentezine	0.100	0.2	< LOQ	ppm	
Cyfluthrin	0.400	1	< LOQ	ppm	
Cypermethrin	0.400	1	< LOQ	ppm	
Daminozide	0.400	1	< LOQ	ppm	
DDVP (Dichlorvos)	0.400	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	
Fenproximate	0.200	0.4	< LOQ	ppm	
Fipronil	0.200	0.4	< LOQ	ppm	Pyrazole insecticide
Fonicamid	0.400	1	< LOQ	ppm	Pyridinecarboxamide insecticide
Fludioxonil	0.200	0.4	< LOQ	ppm	non-systemic fungicide
Hexythiazox	0.400	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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## CBD Isolate

**Vanguard CBD**

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**Date Sampled: 12/13/19 09:00**

**Date Accepted: 12/13/19**

**Batch ID:**

**Batch Size:**

**Sampling Method/SOP: SOP.T.20.010**

### Pesticides

*Date/Time Extracted: 12/18/19 17:16*

*Date/Time Analyzed: 12/19/2019 1:40:00PM*

*Analysis Method/SOP: SOP.T.40.051 PDX*

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	0.200	0.5	< LOQ	ppm	
Oxamyl	0.400	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	0.400	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.



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**Matrix: Extract/Concentrate**

**Date Sampled: 12/13/19 09:00**

**Date Accepted: 12/13/19**

**Batch ID:**

**Batch Size:**

**Sampling Method/SOP: SOP.T.20.010**

### 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: 12/16/19 13:10*

*Date/Time Analyzed: 12/17/19 16:27*

*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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## Quality Control

Batch: P19L125 - SOP.T.30.050PDX Prep for Cannabinoids

Blank(P19L125-BLK1)			Extracted: 12/16/19 12:06		Analyzed: 12/17/19 11:00		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
THCA	< LOQ	0.200 (%)	< LOQ	delta 9-THC	< LOQ	0.200 (%)	< LOQ
CBDA	< LOQ	0.200 (%)	< LOQ	CBD	< LOQ	0.200 (%)	< LOQ
CBDV-A	< LOQ	0.200 (%)	< LOQ	CBDV	< LOQ	0.200 (%)	< LOQ
CBG	< LOQ	0.200 (%)	< LOQ	CBGA	< LOQ	0.200 (%)	< LOQ
CBN	< LOQ	0.200 (%)	< LOQ	CBC	< LOQ	0.200 (%)	< LOQ
Sum of tested Cannabinoid:	< LOQ	0.200 (%)	< LOQ				



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