



**Product identity:** CBD Isolate  
**Laboratory ID:** 19-001659-0001

**Client/Metric ID:** .  
**Sample Date:** 02/19/19 13:15

**Summary**

**Potency:**

Analyte	Result (%)		
CBD	> 98.0		CBD-Total > 98.0%
CBDV†	0.427		THC-Total < 0.187%
			(Reported in percent of total sample)

**Residual Solvents:**

All analytes passing and less than LOQ.

**Pesticides:**

All analytes passing and less than LOQ.

**Metals:**

Less than LOQ for all analytes.

**Microbiology:**

Less than LOQ for all analytes.



**Customer:** East Fork Hemp  
Mason Walker  
7950 SE Foster Rd  
Portland Oregon 97206  
United States

**Product identity:** CBD Isolate  
**Client/Metric ID:** .  
**Sample Date:** 02/19/19 13:15  
**Laboratory ID:** 19-001659-0001  
**Grower:** AG-R1050945IHG  
**Relinquished by:** Brian Ramos  
**Temp:** 20.1 °C  
**Weight Received:** 8 g

### Sample Results

Potency	Method J AOAC 2015 V98-6			Units %	Batch 1901536	Analyze 02/20/19 07:26 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC <sup>†</sup>	< LOQ		0.0979			
CBC-A <sup>†</sup>	< LOQ		0.0979			
CBC-Total <sup>†</sup>	< LOQ		0.188			
CBD	> 98.0		0.979			
CBD-A	< LOQ		0.0979			
CBD-Total	> 98.0		0.188			
CBDV <sup>†</sup>	0.427		0.0979			
CBDV-A <sup>†</sup>	< LOQ		0.0979			
CBDV-Total <sup>†</sup>	0.427		0.187			
CBG <sup>†</sup>	< LOQ		0.0979			
CBG-A <sup>†</sup>	< LOQ		0.0979			
CBG-Total <sup>†</sup>	< LOQ		0.188			
CBL <sup>†</sup>	< LOQ		0.0979			
CBN	< LOQ		0.0979			
Δ8-THC <sup>†</sup>	< LOQ		0.0979			
Δ9-THC	< LOQ		0.0979			
THC-A	< LOQ		0.0979			
THC-Total	< LOQ		0.187			
THCV <sup>†</sup>	< LOQ		0.0979			
THCV-A <sup>†</sup>	< LOQ		0.0979			
THCV-Total <sup>†</sup>	< LOQ		0.187			



Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aerobic Plate Count (APC)	< LOQ		cfu/g	10	1901458	02/22/19	AOAC 966.23	X

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



Solvents		Method EPA5021A				Units µg/g	Batch 1901481	Analyze 02/20/19 02:46 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass	
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	30.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	200	pass	
Methylpropane	< LOQ		200			n-Butane	< LOQ		200		
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0		
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200		
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass	
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass	
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl	< LOQ	2170	600	pass	



Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1901596 Analyze 02/22/19 04:40 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.100	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin (incl.	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazol	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximat	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.100	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrins (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamin	< LOQ	0.40	0.200	pass		Tebuconazol	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes	
Arsenic	< LOQ		mg/kg	0.0407	1901588	02/22/19	AOAC 2013.06 (mod)		X
Cadmium	< LOQ		mg/kg	0.0407	1901588	02/22/19	AOAC 2013.06 (mod)		X
Lead	< LOQ		mg/kg	0.0407	1901588	02/22/19	AOAC 2013.06 (mod)		X
Mercury	< LOQ		mg/kg	0.0204	1901588	02/22/19	AOAC 2013.06 (mod)		X



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503-254-1794



**Job Number:** 19-001659  
**Report Number:** 19-001659-00  
**Report Date:** 03/01/2019  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 02/19/19 14:23

Notes:

Concentration of cannabinoid species in high-purity concentrates must be estimated due to inherent measurement uncertainty. For concentrate products with a total cannabinoid content of >95%, total purity characterization analysis is recommended.



**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

**Units of Measure**

cfu/g = Colony forming units per gram

g = Gram

µg/g = Microgram per gram

mg/kg = Milligram per kilogram

% = Percentage of sample

% wt = µg/g divided by 10,000

**Glossary of Qualifiers**

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner  
General Manager