



TEST RESULTS SUMMARY

Please see the following pages for full test results.

Batch Date: 11/03/2022	Batch #: 22-1103-1	NR: Not Reported NA: Not Applicable
Product Name: 200 mg CBD per ml CBD Isolate Oil Drops		LOQ: Limit Of Quantitation LOD: Limit Of Detection
Expiration Date: 11/03/2024	Batch Size: 541 Units	1 g = 10 ⁻³ kg = 10 ³ mg = 10 ⁶ µg
Testing Lab: Columbia Labs	ORELAP Lab #: OR100028	

POTENCY PASS	Per Serving	Total Percent	Regulatory Action Level
---------------------	-------------	---------------	-------------------------

Cannabidiol (CBD)	208 mg	21.6 %	N/A
Total THC (d9-THC + d8-THC)	<LOQ	<LOQ	0.30%
CBDV	0.82 mg	0.085 %	N/A

HEAVY METALS PASS	Per Serving	Per Gram	Regulatory Action Level
--------------------------	-------------	----------	-------------------------

Arsenic	<LOQ µg/serving	<LOQ µg/g	10 µg/day ^[1]
Cadmium	<LOQ µg/serving	<LOQ µg/g	4.1 µg/day ^[1]
Lead	<LOQ µg/serving	<LOQ µg/g	3.5 µg/day ^[2]
Mercury	<LOQ µg/serving	<LOQ µg/g	2 µg/day ^[1]

PESTICIDES PASS	Regulatory Action Level
------------------------	-------------------------

ZERO of 59 pesticides tested found above limit of detection in the sample. 10 ppb^[3]

RESIDUAL SOLVENTS PASS

ZERO of 38 residual solvents tested found above limit of detection in the sample.

MICROBIAL PASS	Pass/Fail
-----------------------	-----------

Aerobic Plate Count	PASS
Ecoli 0157	PASS
Listeria spp.	PASS
Salmonella spp.	PASS
Staphylococcus	PASS
Yeast and Mold	PASS
Mycotoxins	PASS

1. Agency for Toxic Substances & Disease Registry. (2020). "Minimal Risk Levels (MRLs) for Hazardous Substances". Atlanta, GA: ATSDR. <https://www.atsdr.cdc.gov/mrls/mrlslist.asp#24tag>

2. US Food and Drug Administration. (2020). "Lead in Food, Foodwares, and Dietary Supplements". Washington DC: FDA. <https://www.fda.gov/food/metals-and-your-food/lead-food-foodwares-and-dietary-supplements>

3. Oregon Department of Agriculture. (2020). "Cannabis and Pesticides". Salem, OR: ODA. <https://www.oregon.gov/ODA/programs/Pesticides/Pages/CannabisPesticides.aspx>



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 22-013596/D005.R000
Report Date: 11/16/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/04/22 12:48

Customer: Alliant Hemp LLC
Product identity: 200mg/ml ISOD # 22-1103-1
Client/Metric ID: .
Laboratory ID: 22-013596-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBD	21.6		%		CBD-Total per Serving Size 208 mg/1ml
CBDV	0.0849		%		
Analyte per 1ml	Result	Limits	Units	Status	THC-Total per Serving Size <LOQ (Reported in milligrams per serving)
CBD per 1ml	208		mg/1ml		
CBDV per 1ml	0.816		mg/1ml		

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.



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 22-013596/D005.R000
Report Date: 11/16/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/04/22 12:48

Customer: Alliant Hemp LLC
Product identity: 200mg/ml ISOD # 22-1103-1
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-013596-0001
Evidence of Cooling: No
Temp: 17.4 °C
Relinquished by: USPS
Density: 0.9610 g/ml
Serving Size #1: 0.961 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2209617	Analyze: 11/9/22 12:17:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	< LOQ		%	0.0744	
CBC-A	< LOQ		%	0.0744	
CBC-Total	< LOQ		%	0.140	
CBD	21.6		%	0.0744	
CBD-A	< LOQ		%	0.0744	
CBD-Total	21.6		%	0.140	
CBDV	0.0849		%	0.0744	
CBDV-A	< LOQ		%	0.0744	
CBDV-Total	< LOQ		%	0.139	
CBE	< LOQ		%	0.0744	
CBG	< LOQ		%	0.0744	
CBG-A	< LOQ		%	0.0744	
CBG-Total	< LOQ		%	0.139	
CBL	< LOQ		%	0.0744	
CBL-A	< LOQ		%	0.0744	
CBL-Total	< LOQ		%	0.140	
CBN	< LOQ		%	0.0744	
CBT	< LOQ		%	0.0744	
Δ8-THCV	< LOQ		%	0.0744	
Δ10-THC	< LOQ		%	0.0744	
Δ8-THC	< LOQ		%	0.0744	
Δ9-THC	< LOQ	0.350	%	0.0744	
exo-THC	< LOQ		%	0.0744	
THC-A	< LOQ		%	0.0744	
THC-Total	< LOQ		%	0.140	
THCV	< LOQ		%	0.0744	
THCV-A	< LOQ		%	0.0744	
THCV-Total	< LOQ		%	0.139	
Total Cannabinoids	21.7		%		



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 22-013596/D005.R000
Report Date: 11/16/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/04/22 12:48

Potency per 1ml					
Method: J AOAC 2015 V98-6 (mod) ^b					
Units mg/se Batch: 2209617 Analyze: 11/9/22 12:17:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml	< LOQ		mg/1ml	0.715	
CBC-A per 1ml	< LOQ		mg/1ml	0.715	
CBC-Total per 1ml	< LOQ		mg/1ml	1.34	
CBD per 1ml	208		mg/1ml	0.715	
CBD-A per 1ml	< LOQ		mg/1ml	0.715	
CBD-Total per 1ml	208		mg/1ml	1.34	
CBDV per 1ml	0.816		mg/1ml	0.715	
CBDV-A per 1ml	< LOQ		mg/1ml	0.715	
CBDV-Total per 1ml	< LOQ		mg/1ml	1.33	
CBE per 1ml	< LOQ		mg/1ml	0.715	
CBG per 1ml	< LOQ		mg/1ml	0.715	
CBG-A per 1ml	< LOQ		mg/1ml	0.715	
CBG-Total per 1ml	< LOQ		mg/1ml	1.33	
CBL per 1ml	< LOQ		mg/1ml	0.715	
CBL-A per 1ml	< LOQ		mg/1ml	0.715	
CBL-Total per 1ml	< LOQ		mg/1ml	1.34	
CBN per 1ml	< LOQ		mg/1ml	0.715	
CBT per 1ml	< LOQ		mg/1ml	0.715	
Δ8-THCV per 1ml	< LOQ		mg/1ml	0.715	
Δ10-THC per 1ml	< LOQ		mg/1ml	0.715	
Δ8-THC per 1ml	< LOQ		mg/1ml	0.715	
Δ9-THC per 1ml	< LOQ		mg/1ml	0.715	
exo-THC per 1ml	< LOQ		mg/1ml	0.715	
THC-A per 1ml	< LOQ		mg/1ml	0.715	
THC-Total per 1ml	< LOQ		mg/1ml	1.34	
THCV per 1ml	< LOQ		mg/1ml	0.715	
THCV-A per 1ml	< LOQ		mg/1ml	0.715	
THCV-Total per 1ml	< LOQ		mg/1ml	1.34	
Total Cannabinoids per 1ml	210		mg/1ml		

Microbiology							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2209655	11/12/22 AOAC 990.12 (Petrifilm) ^p	
E.coli	< LOQ		cfu/g	10	2209653	11/12/22 AOAC 991.14 (Petrifilm) ^p	
Total Coliforms	< LOQ		cfu/g	10	2209653	11/12/22 AOAC 991.14 (Petrifilm) ^p	
Staphylococcus aureus	< LOQ		cfu/g	10	2209657	11/11/22 AOAC 2003.07	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2209654	11/13/22 AOAC 2014.05 (RAPID) ^p	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2209654	11/13/22 AOAC 2014.05 (RAPID) ^p	
E. coli, O157:H7 (by PCR)	Negative	/25g			2209661	11/11/22 AOAC 2019.03 ^p	
Listeria spp.	Negative	/25g			2209660	11/11/22 AOAC 2019.10	
Salmonella spp. by PCR	Negative	/25g			2209659	11/11/22 AOAC 2020.02 ^p	



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-013596/D005.R000
Report Date: 11/16/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/04/22 12:48

Solvents											Method: Residual Solvents by GC/MS ^b					Units µg/g	Batch 2209767	Analyze 11/14/22 11:22 AM				
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 (Isopentane)	< LOQ		200													
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass												
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< 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	20.0	pass												
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass												
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200													
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass												
Methylpropane (Isobutane)	< 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 benzene	< LOQ	2170	600	pass												



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-013596/D005.R000
Report Date: 11/16/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/04/22 12:48

Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2209848 Analyze 11/16/22 08:22 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [‡]	< LOQ	0.50	0.250	pass		Acephate [‡]	< LOQ	0.40	0.200	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	0.200	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 [‡]	< 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		Etoxazole [‡]	< LOQ	0.20	0.100	pass	
Fenoxycarb [‡]	< LOQ	0.20	0.100	pass		Fenpyroximate [‡]	< LOQ	0.40	0.200	pass	
Fipronil [‡]	< LOQ	0.40	0.200	pass		Flonicamid [‡]	< 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		Pacllobutrazole [‡]	< LOQ	0.40	0.200	pass	
Parathion-Methyl [‡]	< LOQ	0.20	0.100	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		Pyrethrin I (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	
Spiroxamine [‡]	< LOQ	0.40	0.200	pass		Tebuconazole [‡]	< 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	Analyzed Method	Status	Notes		
Arsenic	< LOQ	0.200	mg/kg	0.0829	2209789	11/14/22 AOAC 2013.06 (mod.) ^b	pass			
Cadmium	< LOQ	0.200	mg/kg	0.0829	2209789	11/14/22 AOAC 2013.06 (mod.) ^b	pass			
Lead	< LOQ	0.500	mg/kg	0.0829	2209789	11/14/22 AOAC 2013.06 (mod.) ^b	pass			
Mercury	< LOQ	0.100	mg/kg	0.0414	2209789	11/14/22 AOAC 2013.06 (mod.) ^b	pass			



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 22-013596/D005.R000
Report Date: 11/16/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/04/22 12:48

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B2 [‡]	< LOQ		µg/kg	5.00	2209779	11/14/22 AOAC 2007.01 & EN 15662 (mod) ^P		
Aflatoxin B1 [‡]	< LOQ		µg/kg	5.00	2209779	11/14/22 AOAC 2007.01 & EN 15662 (mod) ^P		
Aflatoxin G1 [‡]	< LOQ		µg/kg	5.00	2209779	11/14/22 AOAC 2007.01 & EN 15662 (mod) ^P		
Aflatoxin G2 [‡]	< LOQ		µg/kg	5.00	2209779	11/14/22 AOAC 2007.01 & EN 15662 (mod) ^P		
Ochratoxin A [‡]	< LOQ	20.0	µg/kg	5.00	2209779	11/14/22 AOAC 2007.01 & EN 15662 (mod) ^P	pass	
Total Aflatoxins [‡]	0.000	20.0	µg/kg	20.0		11/16/22 AOAC 2007.01 & EN 15662 (mod) ^P	pass	

Nutrition

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Density	0.9610		g/ml	0.1000	2209520	11/07/22 DMA 35™		



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-013596/D005.R000
Report Date: 11/16/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/04/22 12:48

These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

* = TNI accredited analyte.

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

g = g

g/ml = Gram per milliliter

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/1ml = Milligram per 1ml

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-013596/D005.R000
Report Date: 11/16/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/04/22 12:48



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-013596/D005.R000
Report Date: 11/16/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/04/22 12:48

