



TEST RESULTS SUMMARY

Please see the following pages for full test results.

Batch Date: 12/11/2023	Batch #: 1084173-2023-1211	NR: Not Reported NA: Not Applicable
Product Name: 200 mg CBD + 2 mg THC per ml Full-Spectrum CBD Oil Drops		LOQ: Limit Of Quantitation LOD: Limit Of Detection
Expiration Date: 12/11/2025	Batch Size: 1,542 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)	209 mg	21.7 %	N/A
Total THC (d9-THC + d8-THC)	2.40 mg	0.249 %	0.30%
Cannabigerol (CBG)	3.03 mg	0.315 %	N/A
Cannabinol (CBN)	0.33 mg	0.034 %	NA
Cannabichromene (CBC)	2.42 mg	0.251 %	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
Total Choliforms	PASS
Staphylococcus aureus	PASS
Mold (RAPID Petrifilm)	PASS
Yeast (RAPID Petrifilm)	PASS
Listeria spp.	PASS
Salmonella spp. by PCR	PASS
EHEC including STEC	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/mrlist.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: 23-014759/D008.R000
Report Date: 01/08/2024
ORELAP#: OR100028
Purchase Order:
Received: 12/18/23 11:33

Customer: Alliant Hemp LLC
Product identity: 1084173-2023-1211
Client/Metric ID: .
Laboratory ID: 23-014759-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.251		%		CBD-Total per Serving Size 209 mg/1ml
CBD	21.7		%		
CBDV	0.123		%		THC-Total per Serving Size 2.40 mg/1ml
CBG	0.315		%		(Reported in milligrams per serving)
CBN	0.0339		%		
CBT	0.101		%		
Δ9-THC	0.249		%		
Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml	2.42		mg/1ml		
CBD per 1ml	209		mg/1ml		
CBDV per 1ml	1.18		mg/1ml		
CBG per 1ml	3.03		mg/1ml		
CBN per 1ml	0.326		mg/1ml		
CBT per 1ml	0.973		mg/1ml		
Δ9-THC per 1ml	2.40		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: 23-014759/D008.R000
Report Date: 01/08/2024
ORELAP#: OR100028
Purchase Order:
Received: 12/18/23 11:33

Customer: Alliant Hemp LLC
Product identity: 1084173-2023-1211
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-014759-0001
Evidence of Cooling: No
Temp: 16.8 °C
Relinquished by: client
Density: 0.9625 g/ml
Serving Size #1: 0.963 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2313892	Analyze: 12/28/23 2:43:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.251		%	0.00316	
CBC-A	< LOQ		%	0.00316	
CBC-Total	0.251		%	0.00594	
CBD	21.7		%	0.316	
CBD-A	< LOQ		%	0.00316	
CBD-Total	21.7		%	0.319	
CBDV	0.123		%	0.00316	
CBDV-A	< LOQ		%	0.00316	
CBDV-Total	0.123		%	0.00590	
CBE	< LOQ		%	0.00316	
CBG	0.315		%	0.00316	
CBG-A	< LOQ		%	0.00316	
CBG-Total	0.315		%	0.00590	
CBL	< LOQ		%	0.00316	
CBL-A	< LOQ		%	0.00316	
CBL-Total	< LOQ		%	0.00594	
CBN	0.0339		%	0.00316	
CBT	0.101		%	0.00316	
Δ8-THCV	< LOQ		%	0.00316	
Δ10-THC-9R	< LOQ		%	0.00316	
Δ10-THC-9S	< LOQ		%	0.00316	
Δ10-THC-Total	< LOQ		%	0.00633	
Δ8-THC	< LOQ		%	0.00316	
Δ9-THC	0.249		%	0.00316	
delta-9-THCP	< LOQ		%	0.00316	
exo-THC	< LOQ		%	0.00316	
THC-A	< LOQ		%	0.00316	
THC-Total	0.249		%	0.00594	
THCV	< LOQ		%	0.00316	



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



Report Number: 23-014759/D008.R000
Report Date: 01/08/2024
ORELAP#: OR100028
Purchase Order:
Received: 12/18/23 11:33

Potency **Method:** J AOAC 2015 V98-6 (mod)^b **Units %** **Batch:** 2313892 **Analyze:** 12/28/23 2:43:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
THCV-A	< LOQ		%	0.00316	
THCV-Total	< LOQ		%	0.00590	
Total Cannabinoids	22.8		%		

Potency per 1ml **Method:** J AOAC 2015 V98-6 (mod)^b **Units mg/se** **Batch:** 2313892 **Analyze:** 12/28/23 2:43:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml	2.42		mg/1ml	0.0305	
CBC-A per 1ml	< LOQ		mg/1ml	0.0305	
CBC-Total per 1ml	2.42		mg/1ml	0.0572	
CBD per 1ml	209		mg/1ml	3.05	
CBD-A per 1ml	< LOQ		mg/1ml	0.0305	
CBD-Total per 1ml	209		mg/1ml	3.07	
CBDV per 1ml	1.18		mg/1ml	0.0305	
CBDV-A per 1ml	< LOQ		mg/1ml	0.0305	
CBDV-Total per 1ml	1.18		mg/1ml	0.0569	
CBE per 1ml	< LOQ		mg/1ml	0.0305	
CBG per 1ml	3.03		mg/1ml	0.0305	
CBG-A per 1ml	< LOQ		mg/1ml	0.0305	
CBG-Total per 1ml	3.03		mg/1ml	0.0569	
CBL per 1ml	< LOQ		mg/1ml	0.0305	
CBL-A per 1ml	< LOQ		mg/1ml	0.0305	
CBL-Total per 1ml	< LOQ		mg/1ml	0.0572	
CBN per 1ml	0.326		mg/1ml	0.0305	
CBT per 1ml	0.973		mg/1ml	0.0305	
Δ8-THCV per 1ml	< LOQ		mg/1ml	0.0305	
Δ10-THC-9R per 1ml	< LOQ		mg/1ml	0.0305	
Δ10-THC-9S per 1ml	< LOQ		mg/1ml	0.0305	
Δ10-THC-Total per 1ml	< LOQ		mg/1ml	0.0609	
Δ8-THC per 1ml	< LOQ		mg/1ml	0.0305	
Δ9-THC per 1ml	2.40		mg/1ml	0.0305	
delta-9-THCP per 1ml	< LOQ		mg/1ml	0.0305	
exo-THC per 1ml	< LOQ		mg/1ml	0.0305	
THC-A per 1ml	< LOQ		mg/1ml	0.0305	
THC-Total per 1ml	2.40		mg/1ml	0.0572	
THCV per 1ml	< LOQ		mg/1ml	0.0305	
THCV-A per 1ml	< LOQ		mg/1ml	0.0305	
THCV-Total per 1ml	< LOQ		mg/1ml	0.0572	
Total Cannabinoids per 1ml	219		mg/1ml		



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



Report Number: 23-014759/D008.R000
Report Date: 01/08/2024
ORELAP#: OR100028
Purchase Order:
Received: 12/18/23 11:33

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2313927	01/01/24 AOAC 990.12 (Petrifilm) [®]		
E.coli	< LOQ		cfu/g	10	2313925	01/01/24 AOAC 991.14 (Petrifilm) [®]		
Total Coliforms	< LOQ		cfu/g	10	2313925	01/01/24 AOAC 991.14 (Petrifilm) [®]		
Staphylococcus aureus	< LOQ		cfu/g	10	2313928	12/31/23 AOAC 2003.07		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2313926	01/02/24 AOAC 2014.05 (RAPID) [®]		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2313926	01/02/24 AOAC 2014.05 (RAPID) [®]		
Listeria spp.	Negative		/25g		2313931	12/31/23 AOAC 2019.10		
Salmonella spp. by PCR [®]	Negative		/25g		2313929	12/31/23 AOAC 2020.02 [®]		
EHEC including STEC [®]	Negative		/25g		2313930	12/31/23 AOAC RI 121806 [®]		

Solvents Method: Residual Solvents by GC/MS[®] Units µg/g Batch 2400154 Analyze 01/05/24 01:54 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 (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: 23-014759/D008.R000
Report Date: 01/08/2024
ORELAP#: OR100028
Purchase Order:
Received: 12/18/23 11:33

Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2400030 Analyze 01/02/24 11:21 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	
Bifentazate [‡]	< 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		Paclobotrazole [‡]	< 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	0.0975	2400131	01/04/24 AOAC 2013.06 (mod.) ^b	pass			
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0975	2400131	01/04/24 AOAC 2013.06 (mod.) ^b	pass			
Lead [‡]	< LOQ	0.500	mg/kg	0.0975	2400131	01/04/24 AOAC 2013.06 (mod.) ^b	pass			
Mercury [‡]	< LOQ	0.100	mg/kg	0.0487	2400131	01/04/24 AOAC 2013.06 (mod.) ^b	pass			

Nutrition										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes		
Density	0.9625		g/ml	0.1000	2313671	12/18/23 DMA 35™				



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



Report Number: 23-014759/D008.R000
Report Date: 01/08/2024
ORELAP#: OR100028
Purchase Order:
Received: 12/18/23 11:33

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.

^p = 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

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

mg/0.96g = Milligram per 0.96g

% = 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: 23-014759/D008.R000
Report Date: 01/08/2024
ORELAP#: OR100028
Purchase Order:
Received: 12/18/23 11:33

