



TEST RESULTS SUMMARY

Please see the following pages for full test results.

Batch Date: 02/13/2023	Batch #: 1084173-2023-0213	NR: Not Reported NA: Not Applicable
Product Name: 50 mg CBD + 2.5 mg THC per ml Full-Spectrum CBD Oil Drops		LOQ: Limit Of Quantitation LOD: Limit Of Detection
Expiration Date: 02/13/2025	Batch Size: 402 Units	1 g = 10 ³ mg = 10 ⁶ µg
Testing Lab: Columbia Labs	ORELAP Lab #: OR100028	

POTENCY PASS	Per Serving	Total Percent	Regulatory Action Level
Cannabidiol (CBD)	63.4 mg	6.66 %	N/A
Total THC (d9-THC + d8-THC)	2.56 mg	0.269 %	0.30%
Cannabigerol (CBG)	0.96 mg	0.101 %	N/A
Cannabinol (CBN)	0.77 mg	0.081 %	0.30%
Cannabichromene (CBC)	0.62 mg	0.065 %	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/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: 23-002173/D008.R000
Report Date: 03/09/2023
ORELAP#: OR100028
Purchase Order:
Received: 02/21/23 10:28

Customer: Alliant Hemp LLC
Product identity: 1084173-2023-0213
Client/Metric ID: .
Laboratory ID: 23-002173-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.0646		%		CBD-Total per Serving Size 63.4 mg/1ml
CBD	6.66		%		
CBDV	0.0311		%		THC-Total per Serving Size 2.56 mg/1ml
CBE	0.221		%		(Reported in milligrams per serving)
CBG	0.101		%		
CBL	0.0182		%		
CBN	0.0812		%		
CBT	0.339		%		
Δ9-THC	0.269		%		
Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml	0.615		mg/1ml		
CBD per 1ml	63.4		mg/1ml		
CBDV per 1ml	0.296		mg/1ml		
CBE per 1ml	2.10		mg/1ml		
CBG per 1ml	0.961		mg/1ml		
CBL per 1ml	0.173		mg/1ml		
CBN per 1ml	0.773		mg/1ml		
CBT per 1ml	3.23		mg/1ml		
Δ9-THC per 1ml	2.56		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.



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Customer: Alliant Hemp LLC
Product identity: 1084173-2023-0213
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-002173-0001
Evidence of Cooling: No
Temp: 13.5
Relinquished by: ups
Density: 0.9514 g/ml
Serving Size #1: 0.951 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2301742	Analyze: 2/22/23 9:42:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.0646		%	0.00319	
CBC-A	< LOQ		%	0.00319	
CBC-Total	0.0646		%	0.00598	
CBD	6.66		%	0.0319	
CBD-A	< LOQ		%	0.00319	
CBD-Total	6.66		%	0.0347	
CBDV	0.0311		%	0.00319	
CBDV-A	< LOQ		%	0.00319	
CBDV-Total	0.0311		%	0.00595	
CBE	0.221		%	0.00319	
CBG	0.101		%	0.00319	
CBG-A	< LOQ		%	0.00319	
CBG-Total	0.101		%	0.00595	
CBL	0.0182		%	0.00319	
CBL-A	< LOQ		%	0.00319	
CBL-Total	0.0182		%	0.00598	
CBN	0.0812		%	0.00319	
CBT	0.339		%	0.00319	
Δ8-THCV	< LOQ		%	0.00319	
Δ10-THC-9R	< LOQ		%	0.00319	
Δ10-THC-9S	< LOQ		%	0.00319	
Δ10-THC-Total	< LOQ		%	0.00638	
Δ8-THC	< LOQ		%	0.00319	
Δ9-THC	0.269		%	0.00319	
exo-THC	< LOQ		%	0.00319	
THC-A	< LOQ		%	0.00319	
THC-Total	0.269		%	0.00598	
THCV	< LOQ		%	0.00319	
THCV-A	< LOQ		%	0.00319	
THCV-Total	< LOQ		%	0.00595	
Total Cannabinoids	7.79		%		



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Potency per 1ml **Method:** J AOAC 2015 V98-6 (mod)^b **Units mg/se** **Batch:** 2301742 **Analyze:** 2/22/23 9:42:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml	0.615		mg/1ml	0.0303	
CBC-A per 1ml	< LOQ		mg/1ml	0.0303	
CBC-Total per 1ml	0.615		mg/1ml	0.0569	
CBD per 1ml	63.4		mg/1ml	0.303	
CBD-A per 1ml	< LOQ		mg/1ml	0.0303	
CBD-Total per 1ml	63.4		mg/1ml	0.330	
CBDV per 1ml	0.296		mg/1ml	0.0303	
CBDV-A per 1ml	< LOQ		mg/1ml	0.0303	
CBDV-Total per 1ml	0.296		mg/1ml	0.0566	
CBE per 1ml	2.10		mg/1ml	0.0303	
CBG per 1ml	0.961		mg/1ml	0.0303	
CBG-A per 1ml	< LOQ		mg/1ml	0.0303	
CBG-Total per 1ml	0.961		mg/1ml	0.0566	
CBL per 1ml	0.173		mg/1ml	0.0303	
CBL-A per 1ml	< LOQ		mg/1ml	0.0303	
CBL-Total per 1ml	0.173		mg/1ml	0.0569	
CBN per 1ml	0.773		mg/1ml	0.0303	
CBT per 1ml	3.23		mg/1ml	0.0303	
Δ8-THCV per 1ml	< LOQ		mg/1ml	0.0303	
Δ10-THC-9R per 1ml	< LOQ		mg/1ml	0.0303	
Δ10-THC-9S per 1ml	< LOQ		mg/1ml	0.0303	
Δ10-THC-Total per 1ml	< LOQ		mg/1ml	0.0606	
Δ8-THC per 1ml	< LOQ		mg/1ml	0.0303	
Δ9-THC per 1ml	2.56		mg/1ml	0.0303	
exo-THC per 1ml	< LOQ		mg/1ml	0.0303	
THC-A per 1ml	< LOQ		mg/1ml	0.0303	
THC-Total per 1ml	2.56		mg/1ml	0.0569	
THCV per 1ml	< LOQ		mg/1ml	0.0303	
THCV-A per 1ml	< LOQ		mg/1ml	0.0303	
THCV-Total per 1ml	< LOQ		mg/1ml	0.0569	
Total Cannabinoids per 1ml	74.1		mg/1ml		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2301919	03/05/23 AOAC 990.12 (Petrifilm) ^p		
E.coli	< LOQ		cfu/g	10	2301917	03/05/23 AOAC 991.14 (Petrifilm) ^p		
Total Coliforms	< LOQ		cfu/g	10	2301917	03/05/23 AOAC 991.14 (Petrifilm) ^p		
Staphylococcus aureus	< LOQ		cfu/g	10	2301920	03/04/23 AOAC 2003.07		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2301918	03/06/23 AOAC 2014.05 (RAPID) ^p		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2301918	03/06/23 AOAC 2014.05 (RAPID) ^p		
E. coli, O157:H7 (by PCR)	Negative	/25g			2301923	03/04/23 AOAC 2019.03 ^p		
Listeria spp.	Negative	/25g			2301922	03/04/23 AOAC 2019.10		
Salmonella spp. by PCR*	Negative	/25g			2301921	03/04/23 AOAC 2020.02 ^p		



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Solvents											Method: Residual Solvents by GC/MS ^b					Units µg/g		Batch 2302060		Analyze 03/08/23 10:34 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														



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2302036 Analyze 03/07/23 01:56 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [‡]	< LOQ	0.50	0.250	pass		Acephate [‡]	< LOQ	0.40	0.200	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		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	0.0902	2301995	03/06/23	AOAC 2013.06 (mod.) ^b	pass		
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0902	2301995	03/06/23	AOAC 2013.06 (mod.) ^b	pass		
Lead [‡]	< LOQ	0.500	mg/kg	0.0902	2301995	03/06/23	AOAC 2013.06 (mod.) ^b	pass		
Mercury [‡]	< LOQ	0.100	mg/kg	0.0451	2301995	03/06/23	AOAC 2013.06 (mod.) ^b	pass		



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Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B2 [‡]	< LOQ		µg/kg	5.00	2302023	03/07/23 AOAC 2007.01 & EN 15662 (mod) [‡]		
Aflatoxin B1 [‡]	< LOQ		µg/kg	5.00	2302023	03/07/23 AOAC 2007.01 & EN 15662 (mod) [‡]		
Aflatoxin G1 [‡]	< LOQ		µg/kg	5.00	2302023	03/07/23 AOAC 2007.01 & EN 15662 (mod) [‡]		
Aflatoxin G2 [‡]	< LOQ		µg/kg	5.00	2302023	03/07/23 AOAC 2007.01 & EN 15662 (mod) [‡]		
Ochratoxin A [‡]	< LOQ	20.0	µg/kg	5.00	2302023	03/07/23 AOAC 2007.01 & EN 15662 (mod) [‡]	pass	
Total Aflatoxins [‡]	0.000	20.0	µg/kg	20.0		03/08/23 AOAC 2007.01 & EN 15662 (mod) [‡]	pass	

Nutrition

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Density	0.9514		g/ml	0.1000	2301664	02/22/23 DMA 35™		



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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



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