



## TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>Batch Date: 10/11/2023</b>	<b>Batch #: 1084173-2023-1011</b>	<b>NR:</b> Not Reported <b>NA:</b> Not Applicable
<b>Product Name: 200 mg CBD + 2 mg THC per ml Full-Spectrum CBD Oil Drops</b>		<b>LOQ:</b> Limit Of Quantitation <b>LOD:</b> Limit Of Detection
<b>Expiration Date: 10/11/2025</b>	<b>Batch Size: 816 Units</b>	1 g = 10 <sup>-3</sup> kg = 10 <sup>3</sup> mg = 10 <sup>6</sup> µg
<b>Testing Lab: Columbia Labs</b>	<b>ORELAP Lab #: OR100028</b>	

POTENCY <b>PASS</b>	Per Serving	Total Percent	Regulatory Action Level
<b>Cannabidiol (CBD)</b>	195 mg	20.3 %	N/A
<b>Total THC (d9-THC + d8-THC)</b>	2.47 mg	0.257 %	0.30%
<b>Cannabigerol (CBG)</b>	2.12 mg	0.221 %	N/A
<b>Cannabinol (CBN)</b>	1.03 mg	0.107 %	NA
<b>Cannabichromene (CBC)</b>	1.22 mg	0.127 %	N/A

HEAVY METALS <b>PASS</b>	Per Serving	Per Gram	Regulatory Action Level
<b>Arsenic</b>	<LOQ µg/serving	<LOQ µg/g	10 µg/day <sup>[1]</sup>
<b>Cadmium</b>	<LOQ µg/serving	<LOQ µg/g	4.1 µg/day <sup>[1]</sup>
<b>Lead</b>	<LOQ µg/serving	<LOQ µg/g	3.5 µg/day <sup>[2]</sup>
<b>Mercury</b>	<LOQ µg/serving	<LOQ µg/g	2 µg/day <sup>[1]</sup>

PESTICIDES <b>PASS</b>	Regulatory Action Level
<b>ZERO</b> of 59 pesticides tested found above limit of detection in the sample.	10 ppb <sup>[3]</sup>

RESIDUAL SOLVENTS <b>PASS</b>
<b>ZERO</b> of 38 residual solvents tested found above limit of detection in the sample.

MICROBIAL <b>PASS</b>	Pass/Fail
<b>Aerobic Plate Count</b>	<b>PASS</b>
<b>Ecoli 0157</b>	<b>PASS</b>
<b>Listeria spp.</b>	<b>PASS</b>
<b>Salmonella spp.</b>	<b>PASS</b>
<b>Staphylococcus</b>	<b>PASS</b>
<b>Yeast and Mold</b>	<b>PASS</b>
<b>Mycotoxins</b>	<b>PASS</b>

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:** 23-012343/D006.R000  
**Report Date:** 10/25/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/17/23 10:56

**Customer:** Alliant Hemp LLC  
**Product identity:** 1084173-2023-1011  
**Client/Metric ID:** .  
**Laboratory ID:** 23-012343-0001

### Summary

**Potency:**

Analyte	Result	Limits	Units	Status	
CBC	0.127		%		CBD-Total per Serving Size 195 mg/1ml
CBD	20.3		%		
CBDV	0.0820		%		THC-Total per Serving Size 2.47 mg/1ml
CBG	0.221		%		(Reported in milligrams per serving)
CBN	0.107		%		
CBT	0.00926		%		
Δ9-THC	0.257		%		
Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml	1.22		mg/1ml		
CBD per 1ml	195		mg/1ml		
CBDV per 1ml	0.788		mg/1ml		
CBG per 1ml	2.12		mg/1ml		
CBN per 1ml	1.03		mg/1ml		
CBT per 1ml	0.0890		mg/1ml		
Δ9-THC per 1ml	2.47		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:** 1084173-2023-1011  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 23-012343-0001  
**Evidence of Cooling:** No  
**Temp:** 21 °C  
**Relinquished by:** client  
**Density:** 0.9612 g/ml  
**Serving Size #1:** 0.961 g

### Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units %	Batch: 2312002	Analyze: 10/19/23 10:54:00 A	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.127		%	0.00312	
CBC-A	< LOQ		%	0.00312	
CBC-Total	0.127		%	0.00586	
CBD	20.3		%	0.312	
CBD-A	< LOQ		%	0.00312	
CBD-Total	20.3		%	0.315	
CBDV	0.0820		%	0.00312	
CBDV-A	< LOQ		%	0.00312	
CBDV-Total	0.0820		%	0.00583	
CBE	< LOQ		%	0.00312	
CBG	0.221		%	0.00312	
CBG-A	< LOQ		%	0.00312	
CBG-Total	0.221		%	0.00583	
CBL	< LOQ		%	0.00312	
CBL-A	< LOQ		%	0.00312	
CBL-Total	< LOQ		%	0.00586	
CBN	0.107		%	0.00312	
CBT	0.00926		%	0.00312	
Δ8-THCV	< LOQ		%	0.00312	
Δ10-THC-9R	< LOQ		%	0.00312	
Δ10-THC-9S	< LOQ		%	0.00312	
Δ10-THC-Total	< LOQ		%	0.00624	
Δ8-THC	< LOQ		%	0.00312	
Δ9-THC	0.257		%	0.00312	
delta-9-THCP	< LOQ		%	0.00312	
exo-THC	< LOQ		%	0.00312	
THC-A	< LOQ		%	0.00312	
THC-Total	0.257		%	0.00586	
THCV	< LOQ		%	0.00312	
THCV-A	< LOQ		%	0.00312	
THCV-Total	< LOQ		%	0.00583	



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Potency	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units %	Batch: 2312002	Analyze: 10/19/23 10:54:00 A	
Analyte	Result	Limits	Units	LOQ	Notes
Total Cannabinoids	21.1		%		

Potency per 1ml	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units mg/se	Batch: 2312002	Analyze: 10/19/23 10:54:00 A	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml	1.22		mg/1ml	0.0300	
CBC-A per 1ml	< LOQ		mg/1ml	0.0300	
CBC-Total per 1ml	1.22		mg/1ml	0.0563	
CBD per 1ml	195		mg/1ml	3.00	
CBD-A per 1ml	< LOQ		mg/1ml	0.0300	
CBD-Total per 1ml	195		mg/1ml	3.03	
CBDV per 1ml	0.788		mg/1ml	0.0300	
CBDV-A per 1ml	< LOQ		mg/1ml	0.0300	
CBDV-Total per 1ml	0.788		mg/1ml	0.0560	
CBE per 1ml	< LOQ		mg/1ml	0.0300	
CBG per 1ml	2.12		mg/1ml	0.0300	
CBG-A per 1ml	< LOQ		mg/1ml	0.0300	
CBG-Total per 1ml	2.12		mg/1ml	0.0560	
CBL per 1ml	< LOQ		mg/1ml	0.0300	
CBL-A per 1ml	< LOQ		mg/1ml	0.0300	
CBL-Total per 1ml	< LOQ		mg/1ml	0.0563	
CBN per 1ml	1.03		mg/1ml	0.0300	
CBT per 1ml	0.0890		mg/1ml	0.0300	
Δ8-THCV per 1ml	< LOQ		mg/1ml	0.0300	
Δ10-THC-9R per 1ml	< LOQ		mg/1ml	0.0300	
Δ10-THC-9S per 1ml	< LOQ		mg/1ml	0.0300	
Δ10-THC-Total per 1ml	< LOQ		mg/1ml	0.0600	
Δ8-THC per 1ml	< LOQ		mg/1ml	0.0300	
Δ9-THC per 1ml	2.47		mg/1ml	0.0300	
delta-9-THCP per 1ml	< LOQ		mg/1ml	0.0300	
exo-THC per 1ml	< LOQ		mg/1ml	0.0300	
THC-A per 1ml	< LOQ		mg/1ml	0.0300	
THC-Total per 1ml	2.47		mg/1ml	0.0563	
THCV per 1ml	< LOQ		mg/1ml	0.0300	
THCV-A per 1ml	< LOQ		mg/1ml	0.0300	
THCV-Total per 1ml	< LOQ		mg/1ml	0.0563	
Total Cannabinoids per 1ml	203		mg/1ml		

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**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2312025	10/22/23 AOAC 990.12 (Petrifilm) <sup>®</sup>		
E.coli	< LOQ		cfu/g	10	2312023	10/22/23 AOAC 991.14 (Petrifilm) <sup>®</sup>		
Total Coliforms	< LOQ		cfu/g	10	2312023	10/22/23 AOAC 991.14 (Petrifilm) <sup>®</sup>		
Staphylococcus aureus	< LOQ		cfu/g	10	2312027	10/21/23 AOAC 2003.07		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2312024	10/22/23 AOAC 2014.05 (RAPID) <sup>®</sup>		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2312024	10/22/23 AOAC 2014.05 (RAPID) <sup>®</sup>		
Listeria spp.	Negative		/25g		2312030	10/21/23 AOAC 2019.10		
Salmonella spp. by PCR <sup>®</sup>	Negative		/25g		2312028	10/21/23 AOAC 2020.02 <sup>®</sup>		
EHEC including STEC <sup>®</sup>	Negative		/25g		2312029	10/21/23 AOAC RI 121806 <sup>®</sup>		

**Solvents Method: Residual Solvents by GC/MS<sup>®</sup> Units µg/g Batch 2312087 Analyze 10/23/23 11:27 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	


**Pesticides** Method: AOAC 2007.01 & EN 15662 (mod)<sup>b</sup> Units mg/kg Batch 2312048 Analyze 10/20/23 02:15 PM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin <sup>‡</sup>	< LOQ	0.50	0.250	pass		Acephate <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Acequinocyl <sup>‡</sup>	< LOQ	2.0	1.00	pass		Acetamiprid <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Aldicarb <sup>‡</sup>	< LOQ	0.40	0.200	pass		Azoxystrobin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Bifenazate <sup>‡</sup>	< LOQ	0.20	0.100	pass		Bifenthrin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Boscalid <sup>‡</sup>	< LOQ	0.40	0.200	pass		Carbaryl <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Carbofuran <sup>‡</sup>	< LOQ	0.20	0.100	pass		Chlorantraniliprole <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Chlorfenapyr <sup>‡</sup>	< LOQ	1.0	0.500	pass		Chlorpyrifos <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Clofentezine <sup>‡</sup>	< LOQ	0.20	0.100	pass		Cyfluthrin <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Cypermethrin <sup>‡</sup>	< LOQ	1.0	0.500	pass		Daminozide <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Diazinon <sup>‡</sup>	< LOQ	0.20	0.100	pass		Dichlorvos <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Dimethoate <sup>‡</sup>	< LOQ	0.20	0.100	pass		Ethoprophos <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Etofenprox <sup>‡</sup>	< LOQ	0.40	0.200	pass		Etoxazole <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Fenoxycarb <sup>‡</sup>	< LOQ	0.20	0.100	pass		Fenpyroximate <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Fipronil <sup>‡</sup>	< LOQ	0.40	0.200	pass		Flonicamid <sup>‡</sup>	< LOQ	1.0	0.400	pass	
Fludioxonil <sup>‡</sup>	< LOQ	0.40	0.200	pass		Hexythiazox <sup>‡</sup>	< LOQ	1.0	0.400	pass	
Imazalil <sup>‡</sup>	< LOQ	0.20	0.100	pass		Imidacloprid <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Kresoxim-methyl <sup>‡</sup>	< LOQ	0.40	0.200	pass		Malathion <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Metalaxyl <sup>‡</sup>	< LOQ	0.20	0.100	pass		Methiocarb <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Methomyl <sup>‡</sup>	< LOQ	0.40	0.200	pass		MGK-264 <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Myclobutanil <sup>‡</sup>	< LOQ	0.20	0.100	pass		Naled <sup>‡</sup>	< LOQ	0.50	0.250	pass	
Oxamyl <sup>‡</sup>	< LOQ	1.0	0.500	pass		Pacllobutrazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Parathion-Methyl <sup>‡</sup>	< LOQ	0.20	0.100	pass		Permethrin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Phosmet <sup>‡</sup>	< LOQ	0.20	0.100	pass		Piperonyl butoxide <sup>‡</sup>	< LOQ	2.0	1.00	pass	
Prallethrin <sup>‡</sup>	< LOQ	0.20	0.100	pass		Propiconazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Propoxur <sup>‡</sup>	< LOQ	0.20	0.100	pass		Pyrethrin I (total) <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Pyridaben <sup>‡</sup>	< LOQ	0.20	0.100	pass		Spinosad <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Spiromesifen <sup>‡</sup>	< LOQ	0.20	0.100	pass		Spirotetramat <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Spiroxamine <sup>‡</sup>	< LOQ	0.40	0.200	pass		Tebuconazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Thiacloprid <sup>‡</sup>	< LOQ	0.20	0.100	pass		Thiamethoxam <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Trifloxystrobin <sup>‡</sup>	< LOQ	0.20	0.100	pass							

**Metals**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic <sup>‡</sup>	< LOQ	0.200	mg/kg	0.0964	2312138	10/24/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass	
Cadmium <sup>‡</sup>	< LOQ	0.200	mg/kg	0.0964	2312138	10/24/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass	
Lead <sup>‡</sup>	< LOQ	0.500	mg/kg	0.0964	2312138	10/24/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass	
Mercury <sup>‡</sup>	< LOQ	0.100	mg/kg	0.0482	2312138	10/24/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass	

**Nutrition**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Density	0.9612		g/ml	0.1000	2311958	10/18/23 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

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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