



## TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>Batch Date: 02/15/2024</b>	<b>Batch #: 1084173-24-0215</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>Date Of Manufacture: 02/15/24</b>	<b>Batch Size: 5,112 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>	210 mg	21.8 %	N/A
<b>Total THC (d9-THC + d8-THC)</b>	2.37 mg	0.246 %	0.30%
<b>Cannabigerol (CBG)</b>	2.83 mg	0.294 %	N/A
<b>Cannabinol (CBN)</b>	0.25 mg	0.026 %	NA
<b>Cannabichromene (CBC)</b>	2.94 mg	0.305 %	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/mrllist.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:** 24-001873/D012.R000  
**Report Date:** 03/01/2024  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 02/20/24 11:36

**Customer:** Alliant Hemp LLC  
**Product identity:** 1084173-24-0215  
**Client/Metric ID:** .  
**Laboratory ID:** 24-001873-0002

### Summary

**Potency:**

Analyte	Result	Limits	Units	Status
CBC	0.305		%	
CBD	21.8		%	
CBDV	0.174		%	
CBE	0.0665		%	
CBG	0.294		%	
CBN	0.0256		%	
CBT	0.101		%	
Δ9-THC	0.246		%	
THCV	0.0101		%	
CBD-Total per Serving Size 210 mg/1ml ----- THC-Total per Serving Size 2.37 mg/1ml ----- (Reported in milligrams per serving)				
Analyte per 1ml	Result	Limits	Units	Status
CBC per 1ml	2.94		mg/1ml	
CBD per 1ml	210		mg/1ml	
CBDV per 1ml	1.68		mg/1ml	
CBE per 1ml	0.641		mg/1ml	
CBG per 1ml	2.83		mg/1ml	
CBN per 1ml	0.247		mg/1ml	
CBT per 1ml	0.973		mg/1ml	
Δ9-THC per 1ml	2.37		mg/1ml	
THCV per 1ml	0.0973		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:** 1084173-24-0215  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 24-001873-0002  
**Evidence of Cooling:** No  
**Temp:** 17.5 °C  
**Relinquished by:** shipping  
**Density:** 0.9635 g/ml  
**Serving Size #1:** 0.964 g

### Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod)	Units %	Batch: 2401395	Analyze: 2/22/24 9:05:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.305		%	0.00323	
CBC-A	< LOQ		%	0.00323	
CBC-Total	0.305		%	0.00606	
CBD <sup>±</sup>	21.8		%	0.323	
CBD-A <sup>±</sup>	< LOQ		%	0.00323	
CBD-Total	21.8		%	0.326	
CBDV	0.174		%	0.00323	
CBDV-A	< LOQ		%	0.00323	
CBDV-Total	0.174		%	0.00603	
CBE	0.0665		%	0.00323	
CBG	0.294		%	0.00323	
CBG-A	< LOQ		%	0.00323	
CBG-Total	0.294		%	0.00603	
CBL	< LOQ		%	0.00323	
CBL-A	< LOQ		%	0.00323	
CBL-Total	< LOQ		%	0.00606	
CBN	0.0256		%	0.00323	
CBT	0.101		%	0.00323	
Δ8-THCV	< LOQ		%	0.00323	
Δ10-THC-9R	< LOQ		%	0.00323	
Δ10-THC-9S	< LOQ		%	0.00323	
Δ10-THC-Total	< LOQ		%	0.00646	
Δ8-THC <sup>±</sup>	< LOQ		%	0.00323	
Δ9-THC <sup>±</sup>	0.246		%	0.00323	
delta-9-THCP	< LOQ		%	0.00323	
exo-THC	< LOQ		%	0.00323	
THC-A <sup>±</sup>	< LOQ		%	0.00323	
THC-Total	0.246		%	0.00606	
THCV	0.0101		%	0.00323	
THCV-A	< LOQ		%	0.00323	
THCV-Total	0.0101		%	0.00603	



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Potency	Method: J AOAC 2015 V98-6 (mod)	Units %	Batch: 2401395	Analyze: 2/22/24 9:05:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
Total Cannabinoids	23.0		%		

Potency per 1ml	Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2401395	Analyze: 2/22/24 9:05:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml	2.94		mg/1ml	0.0311	
CBC-A per 1ml	< LOQ		mg/1ml	0.0311	
CBC-Total per 1ml	2.94		mg/1ml	0.0584	
CBD per 1ml	210		mg/1ml	3.11	
CBD-A per 1ml <sup>±</sup>	< LOQ		mg/1ml	0.0311	
CBD-Total per 1ml <sup>±</sup>	210		mg/1ml	3.14	
CBDV per 1ml	1.68		mg/1ml	0.0311	
CBDV-A per 1ml	< LOQ		mg/1ml	0.0311	
CBDV-Total per 1ml	1.68		mg/1ml	0.0581	
CBE per 1ml	0.641		mg/1ml	0.0311	
CBG per 1ml	2.83		mg/1ml	0.0311	
CBG-A per 1ml	< LOQ		mg/1ml	0.0311	
CBG-Total per 1ml	2.83		mg/1ml	0.0581	
CBL per 1ml	< LOQ		mg/1ml	0.0311	
CBL-A per 1ml	< LOQ		mg/1ml	0.0311	
CBL-Total per 1ml	< LOQ		mg/1ml	0.0584	
CBN per 1ml	0.247		mg/1ml	0.0311	
CBT per 1ml	0.973		mg/1ml	0.0311	
Δ8-THCV per 1ml	< LOQ		mg/1ml	0.0311	
Δ10-THC-9R per 1ml	< LOQ		mg/1ml	0.0311	
Δ10-THC-9S per 1ml	< LOQ		mg/1ml	0.0311	
Δ10-THC-Total per 1ml	< LOQ		mg/1ml	0.0623	
Δ8-THC per 1ml <sup>±</sup>	< LOQ		mg/1ml	0.0311	
Δ9-THC per 1ml <sup>±</sup>	2.37		mg/1ml	0.0311	
delta-9-THCP per 1ml	< LOQ		mg/1ml	0.0311	
exo-THC per 1ml	< LOQ		mg/1ml	0.0311	
THC-A per 1ml <sup>±</sup>	< LOQ		mg/1ml	0.0311	
THC-Total per 1ml	2.37		mg/1ml	0.0584	
THCV per 1ml	0.0973		mg/1ml	0.0311	
THCV-A per 1ml	< LOQ		mg/1ml	0.0311	
THCV-Total per 1ml	0.0973		mg/1ml	0.0585	
Total Cannabinoids per 1ml	222		mg/1ml		



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**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2401469	02/26/24 AOAC 990.12 (Petrifilm)		
E.coli	< LOQ		cfu/g	10	2401467	02/26/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2401467	02/26/24 AOAC 991.14 (Petrifilm)		
Staphylococcus aureus	< LOQ		cfu/g	10	2401470	02/25/24 AOAC 2003.07		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2401468	02/27/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2401468	02/27/24 AOAC 2014.05 (RAPID)		
Listeria spp.	Negative		/25g		2401473	02/25/24 AOAC 2019.10		
Salmonella spp. by PCR*	Negative		/25g		2401471	02/25/24 AOAC 2020.02 <sup>b</sup>		
EHEC including STEC*	Negative		/25g		2401472	02/25/24 AOAC RI 121806 <sup>b</sup>		

**Solvents Method: Residual Solvents by GC/MS<sup>b</sup> Units µg/g Batch 2401573 Analyze 02/28/24 02:37 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	

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 Columbia Laboratories 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 retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430



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**Received:** 02/20/24 11:36

Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)					Units mg/kg		Batch 2401602		Analyze 02/29/24 11:43 AM		
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin <sup>‡</sup>	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.200	pass	
Acequinocyl <sup>‡</sup>	< LOQ	2.0	1.00	pass		Acetamidrid	< 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	0.0951	2401492	02/26/24	AOAC 2013.06 (mod.) <sup>p</sup>	pass		
Cadmium <sup>‡</sup>	< LOQ	0.200	mg/kg	0.0951	2401492	02/26/24	AOAC 2013.06 (mod.) <sup>p</sup>	pass		
Lead <sup>‡</sup>	< LOQ	0.500	mg/kg	0.0951	2401492	02/26/24	AOAC 2013.06 (mod.) <sup>p</sup>	pass		
Mercury <sup>‡</sup>	< LOQ	0.100	mg/kg	0.0475	2401492	02/26/24	AOAC 2013.06 (mod.) <sup>p</sup>	pass		



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**Mycotoxins**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B1 <sup>¶</sup>	< LOQ		µg/kg	5.00	2401498	02/27/24 AOAC 2007.01 & EN 15662 (mod) <sup>¶</sup>		
Aflatoxin B2 <sup>¶</sup>	< LOQ		µg/kg	5.00	2401498	02/27/24 AOAC 2007.01 & EN 15662 (mod) <sup>¶</sup>		
Aflatoxin G1 <sup>¶</sup>	< LOQ		µg/kg	5.00	2401498	02/27/24 AOAC 2007.01 & EN 15662 (mod) <sup>¶</sup>		
Aflatoxin G2 <sup>¶</sup>	< LOQ		µg/kg	5.00	2401498	02/27/24 AOAC 2007.01 & EN 15662 (mod) <sup>¶</sup>		
Ochratoxin A <sup>¶</sup>	< LOQ	20.0	µg/kg	5.00	2401498	02/27/24 AOAC 2007.01 & EN 15662 (mod) <sup>¶</sup>	pass	
Total Aflatoxins	0.000	20.0	µg/kg	20.0		03/01/24 AOAC 2007.01 & EN 15662 (mod)	pass	

**Nutrition**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Density	0.9635		g/ml	0.1000	2401332	02/20/24 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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