



## TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>Batch Date:</b> 09/27/2023	<b>Batch #:</b> 1084173-2023-0927	<b>NR:</b> Not Reported <b>NA:</b> Not Applicable
<b>Product Name:</b> 200 mg CBD per ml CBD Isolate Oil Drops		<b>LOQ:</b> Limit Of Quantitation <b>LOD:</b> Limit Of Detection
<b>Expiration Date:</b> 09/27/2025	<b>Batch Size:</b> 637 Units	1 g = 10 <sup>-3</sup> kg = 10 <sup>3</sup> mg = 10 <sup>6</sup> µg
<b>Testing Lab:</b> Columbia Labs	<b>ORELAP Lab #:</b> OR100028	

POTENCY <b>PASS</b>	Per Serving	Total Percent	Regulatory Action Level
Cannabidiol (CBD)	195 mg	20.3 %	N/A
Total THC (d9-THC + d8-THC)	<LOQ	<LOQ	0.30%
CBDV	0.86 mg	0.089 %	N/A
CBT	0.03 mg	0.003 %	N/A

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

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

**RESIDUAL SOLVENTS **PASS****  
**ZERO** of 38 residual solvents tested found above limit of detection in the sample.

MICROBIAL <b>PASS</b>	Pass/Fail
EHEC including STEC	<b>PASS</b>
Salmonella spp.	<b>PASS</b>
Mycotoxins	<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:** 23-011643/D008.R000  
**Report Date:** 10/10/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/29/23 14:07

**Customer:** Alliant Hemp LLC  
**Product identity:** 1084173-2023-0927  
**Client/Metric ID:** .  
**Laboratory ID:** 23-011643-0001

### Summary

**Potency:**

Analyte	Result	Limits	Units	Status	
CBD	20.3		%		CBD-Total per Serving Size 195 mg/1ml
CBDV	0.0894		%		
CBT	0.00352		%		THC-Total per Serving Size <LOQ
					(Reported in milligrams per serving)
Analyte per 1ml	Result	Limits	Units	Status	
CBD per 1ml	195		mg/1ml		
CBDV per 1ml	0.861		mg/1ml		
CBT per 1ml	0.0339		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:** 1084173-2023-0927  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 23-011643-0001  
**Evidence of Cooling:** No  
**Temp:** 21.8 °C  
**Relinquished by:** client  
**Density:** 0.9626 g/ml  
**Serving Size #1:** 0.963 g

### Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units %	Batch: 2311492	Analyze: 10/3/23 3:51:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	< LOQ		%	0.00317	
CBC-A	< LOQ		%	0.00317	
CBC-Total	< LOQ		%	0.00595	
CBD	20.3		%	0.317	
CBD-A	< LOQ		%	0.00317	
CBD-Total	20.3		%	0.320	
CBD-Total	20.3		%	0.320	
CBDV	0.0894		%	0.00317	
CBDV-A	< LOQ		%	0.00317	
CBDV-Total	0.0894		%	0.00592	
CBE	< LOQ		%	0.00317	
CBG	< LOQ		%	0.00317	
CBG-A	< LOQ		%	0.00317	
CBG-Total	< LOQ		%	0.00592	
CBL	< LOQ		%	0.00317	
CBL-A	< LOQ		%	0.00317	
CBL-Total	< LOQ		%	0.00595	
CBN	< LOQ		%	0.00317	
CBT	0.00352		%	0.00317	
Δ8-THCV	< LOQ		%	0.00317	
Δ10-THC-9R	< LOQ		%	0.00317	
Δ10-THC-9S	< LOQ		%	0.00317	
Δ10-THC-Total	< LOQ		%	0.00634	
Δ8-THC	< LOQ		%	0.00317	
Δ9-THC	< LOQ		%	0.00317	
delta-9-THCP	< LOQ		%	0.00317	
exo-THC	< LOQ		%	0.00317	
THC-A	< LOQ		%	0.00317	
THC-Total	< LOQ		%	0.00595	
THCV	< LOQ		%	0.00317	
THCV-A	< LOQ		%	0.00317	



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Potency	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units %	Batch: 2311492	Analyze: 10/3/23 3:51:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
THCV-Total	< LOQ		%	0.00592	
<b>Total Cannabinoids</b>	<b>20.4</b>		%		

Potency per 1ml	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units mg/se	Batch: 2311492	Analyze: 10/3/23 3:51:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml	< LOQ		mg/1ml	0.0305	
CBC-A per 1ml	< LOQ		mg/1ml	0.0305	
CBC-Total per 1ml	< LOQ		mg/1ml	0.0573	
CBD per 1ml	195		mg/1ml	3.05	
CBD-A per 1ml	< LOQ		mg/1ml	0.0305	
CBD-Total per 1ml	195		mg/1ml	3.08	
CBDV per 1ml	0.861		mg/1ml	0.0305	
CBDV-A per 1ml	< LOQ		mg/1ml	0.0305	
CBDV-Total per 1ml	0.861		mg/1ml	0.0570	
CBE per 1ml	< LOQ		mg/1ml	0.0305	
CBG per 1ml	< LOQ		mg/1ml	0.0305	
CBG-A per 1ml	< LOQ		mg/1ml	0.0305	
CBG-Total per 1ml	< LOQ		mg/1ml	0.0570	
CBL per 1ml	< LOQ		mg/1ml	0.0305	
CBL-A per 1ml	< LOQ		mg/1ml	0.0305	
CBL-Total per 1ml	< LOQ		mg/1ml	0.0573	
CBN per 1ml	< LOQ		mg/1ml	0.0305	
CBT per 1ml	0.0339		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	0.0610	
Δ8-THC per 1ml	< LOQ		mg/1ml	0.0305	
Δ9-THC per 1ml	< LOQ		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	< LOQ		mg/1ml	0.0573	
THCV per 1ml	< LOQ		mg/1ml	0.0305	
THCV-A per 1ml	< LOQ		mg/1ml	0.0305	
THCV-Total per 1ml	< LOQ		mg/1ml	0.0573	
<b>Total Cannabinoids per 1ml</b>	<b>196</b>		<b>mg/1ml</b>		

**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Salmonella spp. by PCR <sup>‡</sup>	Negative		/25g		2311539	10/06/23 AOAC 2020.02 <sup>b</sup>		
EHEC including STEC <sup>‡</sup>	Negative		/25g		2311540	10/06/23 AOAC RI 121806 <sup>b</sup>		



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Solvents											Method: Residual Solvents by GC/MS <sup>b</sup>					Units µg/g		Batch 2311594		Analyze 10/06/23 11:40 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) <sup>b</sup>						Units mg/kg		Batch 2311588		Analyze 10/06/23 09:38 AM	
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		Acetamidiprid <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	2311568	10/05/23	AOAC 2013.06 (mod.) <sup>b</sup>	pass		
Cadmium <sup>‡</sup>	< LOQ	0.200	mg/kg	0.0964	2311568	10/05/23	AOAC 2013.06 (mod.) <sup>b</sup>	pass		
Lead <sup>‡</sup>	< LOQ	0.500	mg/kg	0.0964	2311568	10/05/23	AOAC 2013.06 (mod.) <sup>b</sup>	pass		
Mercury <sup>‡</sup>	< LOQ	0.100	mg/kg	0.0482	2311568	10/05/23	AOAC 2013.06 (mod.) <sup>b</sup>	pass		



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**Mycotoxins**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B2 <sup>‡</sup>	< LOQ		µg/kg	5.00	2311590	10/06/23 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		
Aflatoxin B1 <sup>‡</sup>	< LOQ		µg/kg	5.00	2311590	10/06/23 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		
Aflatoxin G1 <sup>‡</sup>	< LOQ		µg/kg	5.00	2311590	10/06/23 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		
Aflatoxin G2 <sup>‡</sup>	< LOQ		µg/kg	5.00	2311590	10/06/23 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		
Ochratoxin A <sup>‡</sup>	< LOQ	20.0	µg/kg	5.00	2311590	10/06/23 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>	pass	
Total Aflatoxins <sup>‡</sup>	0.000	20.0	µg/kg	20.0		10/09/23 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>	pass	

**Nutrition**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Density	0.9626		g/ml	0.1000	2311472	10/03/23 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.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.

<sup>\*</sup> = TNI accredited analyte.

### Units of Measure

/25g = Per 25g

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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