



TEST RESULTS SUMMARY

Please see the following pages for full test results.

Batch Date: 02/16/2024	Batch #: 1084173-24-0216	NR: Not Reported NA: Not Applicable
Product Name: 200 mg CBG per ml CBG Isolate Oil Drops		LOQ: Limit Of Quantitation LOD: Limit Of Detection
Date Of Manufacture: 02/16/24	Batch Size: 1,456 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
Cannabigerol (CBG)	221 mg	23.1 %	N/A

Total THC (d9-THC + d8-THC)	<LOQ	<LOQ	0.30%
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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
E.coli	PASS
Total Coliforms	PASS
Staphylococcus aureus	PASS
Mold	PASS
Yeast	PASS
Listeria spp.	PASS
Salmonella spp.	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/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/D010.R000
Report Date: 03/01/2024
ORELAP#: OR100028
Purchase Order:
Received: 02/20/24 11:36

Customer: Alliant Hemp LLC
Product identity: 1084173-24-0216
Client/Metric ID: .
Laboratory ID: 24-001873-0003

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBG	23.1		%		CBD-Total per Serving Size <LOQ
CBT	0.00670		%		
Analyte per 1ml	Result	Limits	Units	Status	
CBG per 1ml	221		mg/1ml		(Reported in milligrams per serving)
CBT per 1ml	0.0640		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: 1084173-24-0216
Client/Metric ID: .
Sample Date:
Laboratory ID: 24-001873-0003
Evidence of Cooling: No
Temp: 17.5 °C
Relinquished by: shipping
Density: 0.9548 g/ml
Serving Size #1: 0.955 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod)	Units %	Batch: 2401395	Analyze: 2/22/24 9:12:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	< LOQ		%	0.00318	
CBC-A	< LOQ		%	0.00318	
CBC-Total	< LOQ		%	0.00597	
CBD [±]	< LOQ		%	0.00318	
CBD-A [±]	< LOQ		%	0.00318	
CBD-Total	< LOQ		%	0.00597	
CBDV	< LOQ		%	0.00318	
CBDV-A	< LOQ		%	0.00318	
CBDV-Total	< LOQ		%	0.00594	
CBE	< LOQ		%	0.00318	
CBG	23.1		%	0.318	
CBG-A	< LOQ		%	0.00318	
CBG-Total	23.1		%	0.321	
CBL	< LOQ		%	0.00318	
CBL-A	< LOQ		%	0.00318	
CBL-Total	< LOQ		%	0.00597	
CBN	< LOQ		%	0.00318	
CBT	0.00670		%	0.00318	
Δ8-THCV	< LOQ		%	0.00318	
Δ10-THC-9R	< LOQ		%	0.00318	
Δ10-THC-9S	< LOQ		%	0.00318	
Δ10-THC-Total	< LOQ		%	0.00636	
Δ8-THC [±]	< LOQ		%	0.00318	
Δ9-THC [±]	< LOQ		%	0.00318	
delta-9-THCP	< LOQ		%	0.00318	
exo-THC	< LOQ		%	0.00318	
THC-A [±]	< LOQ		%	0.00318	
THC-Total	< LOQ		%	0.00597	
THCV	< LOQ		%	0.00318	
THCV-A	< LOQ		%	0.00318	
THCV-Total	< LOQ		%	0.00594	



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Potency	Method: J AOAC 2015 V98-6 (mod)	Units %	Batch: 2401395	Analyze: 2/22/24 9:12:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
Total Cannabinoids	23.1		%		

Potency per 1ml	Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2401395	Analyze: 2/22/24 9:12:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml	< LOQ		mg/1ml	0.0304	
CBC-A per 1ml	< LOQ		mg/1ml	0.0304	
CBC-Total per 1ml	< LOQ		mg/1ml	0.0570	
CBD per 1ml	< LOQ		mg/1ml	0.0304	
CBD-A per 1ml [±]	< LOQ		mg/1ml	0.0304	
CBD-Total per 1ml [±]	< LOQ		mg/1ml	0.0570	
CBDV per 1ml	< LOQ		mg/1ml	0.0304	
CBDV-A per 1ml	< LOQ		mg/1ml	0.0304	
CBDV-Total per 1ml	< LOQ		mg/1ml	0.0567	
CBE per 1ml	< LOQ		mg/1ml	0.0304	
CBG per 1ml	221		mg/1ml	3.04	
CBG-A per 1ml	< LOQ		mg/1ml	0.0304	
CBG-Total per 1ml	221		mg/1ml	3.06	
CBL per 1ml	< LOQ		mg/1ml	0.0304	
CBL-A per 1ml	< LOQ		mg/1ml	0.0304	
CBL-Total per 1ml	< LOQ		mg/1ml	0.0570	
CBN per 1ml	< LOQ		mg/1ml	0.0304	
CBT per 1ml	0.0640		mg/1ml	0.0304	
Δ8-THCV per 1ml	< LOQ		mg/1ml	0.0304	
Δ10-THC-9R per 1ml	< LOQ		mg/1ml	0.0304	
Δ10-THC-9S per 1ml	< LOQ		mg/1ml	0.0304	
Δ10-THC-Total per 1ml	< LOQ		mg/1ml	0.0608	
Δ8-THC per 1ml [±]	< LOQ		mg/1ml	0.0304	
Δ9-THC per 1ml [±]	< LOQ		mg/1ml	0.0304	
delta-9-THCP per 1ml	< LOQ		mg/1ml	0.0304	
exo-THC per 1ml	< LOQ		mg/1ml	0.0304	
THC-A per 1ml [±]	< LOQ		mg/1ml	0.0304	
THC-Total per 1ml	< LOQ		mg/1ml	0.0570	
THCV per 1ml	< LOQ		mg/1ml	0.0304	
THCV-A per 1ml	< LOQ		mg/1ml	0.0304	
THCV-Total per 1ml	< LOQ		mg/1ml	0.0571	
Total Cannabinoids per 1ml	221		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 ^b		
EHEC including STEC*	Negative		/25g		2401472	02/25/24 AOAC RI 121806 ^b		

Solvents Method: Residual Solvents by GC/MS^b 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	



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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 [‡]	< 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		Pacllobutrazole [‡]	< 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	0.0900	2401492	02/26/24	AOAC 2013.06 (mod.) ^p	pass		
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0900	2401492	02/26/24	AOAC 2013.06 (mod.) ^p	pass		
Lead [‡]	< LOQ	0.500	mg/kg	0.0900	2401492	02/26/24	AOAC 2013.06 (mod.) ^p	pass		
Mercury [‡]	< LOQ	0.100	mg/kg	0.0450	2401492	02/26/24	AOAC 2013.06 (mod.) ^p	pass		



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Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B1 [¶]	< LOQ		µg/kg	5.00	2401498	02/27/24 AOAC 2007.01 & EN 15662 (mod) [¶]		
Aflatoxin B2 [¶]	< LOQ		µg/kg	5.00	2401498	02/27/24 AOAC 2007.01 & EN 15662 (mod) [¶]		
Aflatoxin G1 [¶]	< LOQ		µg/kg	5.00	2401498	02/27/24 AOAC 2007.01 & EN 15662 (mod) [¶]		
Aflatoxin G2 [¶]	< LOQ		µg/kg	5.00	2401498	02/27/24 AOAC 2007.01 & EN 15662 (mod) [¶]		
Ochratoxin A [¶]	< LOQ	20.0	µg/kg	5.00	2401498	02/27/24 AOAC 2007.01 & EN 15662 (mod) [¶]	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	0.9548		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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