



TEST RESULTS SUMMARY

Please see the following pages for full test results.

Batch Date: 11/03/2023	Batch #: 1084173-2023-1103	NR: Not Reported NA: Not Applicable
Product Name: 75 mg CBD + 1 mg THC Cherry Gummies (20 ct)		LOQ: Limit Of Quantitation
Serving Size: 5.44g / 1 gummy		LOD: Limit Of Detection
Expiration Date: 11/03/2024	Batch Size: 1,500 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
Cannabidiol (CBD)	77.2 mg	1.42 %	N/A
Total THC (d9-THC + d8-THC)	1.00 mg	0.0184 %	0.30%
CBDV	0.244 mg	0.0045 %	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

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
Listeria spp.	PASS
Salmonella spp.	PASS
Staphylococcus aureus	PASS
Yeast and Mold	PASS
EHEC including STEC	PASS
Total Coliforms	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: 23-013106/D008.R000
Report Date: 11/15/2023
ORELAP#: OR100028
Purchase Order:
Received: 11/06/23 14:25

Customer: Alliant Hemp LLC
Product identity: 1084173-2023-1103
Client/Metric ID: .
Laboratory ID: 23-013106-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBD	1.42		%		CBD-Total per Serving Size 77.2 mg/5.44g
CBDV	0.00448		%		
Δ9-THC	0.0184		%		THC-Total per Serving Size 1.00 mg/5.44g
Analyte per 5.44g	Result	Limits	Units	Status	(Reported in milligrams per serving)
CBD per 5.44g	77.2		mg/5.44g		
CBDV per 5.44g	0.244		mg/5.44g		
Δ9-THC per 5.44g	1.00		mg/5.44g		

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: 1084173-2023-1103
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-013106-0001
Evidence of Cooling: No
Temp: 19.2 °C
Relinquished by: shipping
Serving Size #1: 5.44 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2312592	Analyze: 11/8/23 7:56:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	< LOQ		%	0.00318	
CBC-A	< LOQ		%	0.00318	
CBC-Total	< LOQ		%	0.00597	
CBD	1.42		%	0.0318	
CBD-A	< LOQ		%	0.00318	
CBD-Total	1.42		%	0.0346	
CBDV	0.00448		%	0.00318	
CBDV-A	< LOQ		%	0.00318	
CBDV-Total	< LOQ		%	0.00594	
CBE	< LOQ		%	0.00318	
CBG	< LOQ		%	0.00318	
CBG-A	< LOQ		%	0.00318	
CBG-Total	< LOQ		%	0.00594	
CBL	< LOQ		%	0.00318	
CBL-A	< LOQ		%	0.00318	
CBL-Total	< LOQ		%	0.00597	
CBN	< LOQ		%	0.00318	
CBT	< LOQ		%	0.00318	
Δ8-THCV	< LOQ		%	0.00318	
Δ10-THC-9R	< LOQ		%	0.00318	
Δ10-THC-9S	< LOQ		%	0.00318	
Δ10-THC-Total	< LOQ		%	0.00637	
Δ8-THC	< LOQ		%	0.00318	
Δ9-THC	0.0184		%	0.00318	
delta-9-THCP	< LOQ		%	0.00318	
exo-THC	< LOQ		%	0.00318	
THC-A	< LOQ		%	0.00318	
THC-Total	0.0184		%	0.00597	
THCV	< LOQ		%	0.00318	
THCV-A	< LOQ		%	0.00318	
THCV-Total	< LOQ		%	0.00594	
Total Cannabinoids	1.44		%		



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Potency per 5.44g Method: J AOAC 2015 V98-6 (mod)^b Units mg/se Batch: 2312592 Analyze: 11/8/23 7:56:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 5.44g	< LOQ		mg/5.44g	0.172	
CBC-A per 5.44g	< LOQ		mg/5.44g	0.172	
CBC-Total per 5.44g	< LOQ		mg/5.44g	0.323	
CBD per 5.44g	77.2		mg/5.44g	1.73	
CBD-A per 5.44g	< LOQ		mg/5.44g	0.172	
CBD-Total per 5.44g	77.2		mg/5.44g	1.88	
CBDV per 5.44g	0.244		mg/5.44g	0.173	
CBDV-A per 5.44g	< LOQ		mg/5.44g	0.172	
CBDV-Total per 5.44g	< LOQ		mg/5.44g	0.323	
CBE per 5.44g	< LOQ		mg/5.44g	0.172	
CBG per 5.44g	< LOQ		mg/5.44g	0.172	
CBG-A per 5.44g	< LOQ		mg/5.44g	0.172	
CBG-Total per 5.44g	< LOQ		mg/5.44g	0.321	
CBL per 5.44g	< LOQ		mg/5.44g	0.172	
CBL-A per 5.44g	< LOQ		mg/5.44g	0.172	
CBL-Total per 5.44g	< LOQ		mg/5.44g	0.323	
CBN per 5.44g	< LOQ		mg/5.44g	0.172	
CBT per 5.44g	< LOQ		mg/5.44g	0.172	
Δ8-THCV per 5.44g	< LOQ		mg/5.44g	0.172	
Δ10-THC-9R per 5.44g	< LOQ		mg/5.44g	0.172	
Δ10-THC-9S per 5.44g	< LOQ		mg/5.44g	0.172	
Δ10-THC-Total per 5.44g	< LOQ		mg/5.44g	0.344	
Δ8-THC per 5.44g	< LOQ		mg/5.44g	0.172	
Δ9-THC per 5.44g	1.00		mg/5.44g	0.173	
delta-9-THCP per 5.44g	< LOQ		mg/5.44g	0.172	
exo-THC per 5.44g	< LOQ		mg/5.44g	0.172	
THC-A per 5.44g	< LOQ		mg/5.44g	0.172	
THC-Total per 5.44g	1.00		mg/5.44g	0.325	
THCV per 5.44g	< LOQ		mg/5.44g	0.172	
THCV-A per 5.44g	< LOQ		mg/5.44g	0.172	
THCV-Total per 5.44g	< LOQ		mg/5.44g	0.323	
Total Cannabinoids per 5.44g	78.5		mg/5.44g		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2312672	11/12/23 AOAC 990.12 (Petrifilm) ^P		
E.coli	< LOQ		cfu/g	10	2312670	11/12/23 AOAC 991.14 (Petrifilm) ^P		
Total Coliforms	< LOQ		cfu/g	10	2312670	11/12/23 AOAC 991.14 (Petrifilm) ^P		
Staphylococcus aureus	< LOQ		cfu/g	10	2312674	11/11/23 AOAC 2003.07		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2312671	11/13/23 AOAC 2014.05 (RAPID) ^P		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2312671	11/13/23 AOAC 2014.05 (RAPID) ^P		
Listeria spp.	Negative	/25g			2312677	11/11/23 AOAC 2019.10		
Salmonella spp. by PCR*	Negative	/25g			2312675	11/11/23 AOAC 2020.02 ^b		
EHEC including STEC*	Negative	/25g			2312676	11/11/23 AOAC RI 121806 ^b		



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Solvents											Method: Residual Solvents by GC/MS ^b					Units µg/g		Batch 2312771		Analyze 11/14/23 11:56 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)^b Units mg/kg Batch 2312740 Analyze 11/13/23 04:13 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		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	0.0147	2312814	11/14/23 AOAC 2013.06 (mod.) ^b	pass	
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0147	2312814	11/14/23 AOAC 2013.06 (mod.) ^b	pass	
Lead [‡]	< LOQ	0.500	mg/kg	0.0147	2312814	11/14/23 AOAC 2013.06 (mod.) ^b	pass	
Mercury [‡]	< LOQ	0.100	mg/kg	0.00733	2312814	11/14/23 AOAC 2013.06 (mod.) ^b	pass	

Nutrition

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Water Activity	0.674		Aw	0.030	2312569	11/07/23 AOAC 978.18 ^b		



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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

µg/g = Microgram per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/5.44g = Milligram per 5.44g

% = Percentage of sample

Aw = Water Activity

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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