



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 23-008802/D007.R000
Report Date: 08/02/2023
ORELAP#: OR100028
Purchase Order:
Received: 07/26/23 10:24

Customer: Whole Leaf Health, LLC
Product identity: CBDPure Relief, Batch #0523T201
Client/Metric ID: .
Laboratory ID: 23-008802-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status		
CBC	0.210		%		CBD-Total (%)	5.75 %
CBD	5.69		%			
CBD-A	0.0680		%			
CBDV	0.0498		%		CBD-Total per 56g	3220 mg/56g
CBE	0.0855		%			
CBG	0.121		%			
CBL	0.0136		%		THC-Total (%)	0.257 %
CBN	0.0299		%			
Δ9-THC	0.257		%			
THCV	0.0168		%			
Analyte per 56g	Result	Limits	Units	Status		
CBC per 56g	118		mg/56g			
CBD per 56g	3190		mg/56g			
CBD-A per 56g	38.1		mg/56g			
CBDV per 56g	27.9		mg/56g			
CBE per 56g	47.9		mg/56g			
CBG per 56g	67.8		mg/56g			
CBL per 56g	7.62		mg/56g			
CBN per 56g	16.7		mg/56g			
Δ9-THC per 56g	144		mg/56g			
THCV per 56g	9.41		mg/56g			

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
β-Caryophyllene	0.202	35.07%	farnesene	0.140	24.31%
α-Bisabolol	0.114	19.79%	Humulene	0.0371	6.44%
α-pinene	0.0340	5.90%	(-)-Guaiaol	0.0265	4.60%
(R)-(+)-Limonene	0.0220	3.82%	Total Terpenes	0.576	100.00%



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 23-008802/D007.R000
Report Date: 08/02/2023
ORELAP#: OR100028
Purchase Order:
Received: 07/26/23 10:24

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 23-008802/D007.R000
Report Date: 08/02/2023
ORELAP#: OR100028
Purchase Order:
Received: 07/26/23 10:24

Customer: Whole Leaf Health, LLC
 2621 NE 134th St, Suite 200
 Vancouver Washington 98686
 United States of America (USA)

Product identity: CBDPure Relief, Batch #0523T201

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-008802-0001

Evidence of Cooling: No

Temp: 23.0

Relinquished by: client

Serving Size #1: 56 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2309518	Analyze: 7/27/23 11:06:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.210		%	0.00327	
CBC-A	< LOQ		%	0.00327	
CBC-Total	0.210		%	0.00614	
CBD	5.69		%	0.0327	
CBD-A	0.0680		%	0.00327	
CBD-Total	5.75		%	0.0356	
CBDV	0.0498		%	0.00327	
CBDV-A	< LOQ		%	0.00327	
CBDV-Total	0.0498		%	0.00610	
CBE	0.0855		%	0.00327	
CBG	0.121		%	0.00327	
CBG-A	< LOQ		%	0.00327	
CBG-Total	0.121		%	0.00610	
CBL	0.0136		%	0.00327	
CBL-A	< LOQ		%	0.00327	
CBL-Total	0.0136		%	0.00614	
CBN	0.0299		%	0.00327	
CBT	< LOQ		%	0.00327	
Δ8-THCV	< LOQ		%	0.00327	
Δ10-THC-9R	< LOQ		%	0.00327	
Δ10-THC-9S	< LOQ		%	0.00327	
Δ10-THC-Total	< LOQ		%	0.00654	
Δ8-THC	< LOQ		%	0.00327	
Δ9-THC	0.257		%	0.00327	
delta-9-THCP	< LOQ		%	0.00327	
exo-THC	< LOQ		%	0.00327	
THC-A	< LOQ		%	0.00327	
THC-Total	0.257		%	0.00614	
THCV	0.0168		%	0.00327	
THCV-A	< LOQ		%	0.00327	



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 23-008802/D007.R000
Report Date: 08/02/2023
ORELAP#: OR100028
Purchase Order:
Received: 07/26/23 10:24

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2309518	Analyze: 7/27/23 11:06:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
THCV-Total	0.0168		%	0.00610	
Total Cannabinoids	6.54		%		

Potency per 56g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2309518	Analyze: 7/27/23 11:06:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 56g	118		mg/56g	1.83	
CBC-A per 56g	< LOQ		mg/56g	1.83	
CBC-Total per 56g	118		mg/56g	3.44	
CBD per 56g	3190		mg/56g	18.3	
CBD-A per 56g	38.1		mg/56g	1.83	
CBD-Total per 56g	3220		mg/56g	19.9	
CBDV per 56g	27.9		mg/56g	1.83	
CBDV-A per 56g	< LOQ		mg/56g	1.83	
CBDV-Total per 56g	27.9		mg/56g	3.42	
CBE per 56g	47.9		mg/56g	1.83	
CBG per 56g	67.8		mg/56g	1.83	
CBG-A per 56g	< LOQ		mg/56g	1.83	
CBG-Total per 56g	67.8		mg/56g	3.42	
CBL per 56g	7.62		mg/56g	1.83	
CBL-A per 56g	< LOQ		mg/56g	1.83	
CBL-Total per 56g	7.62		mg/56g	3.44	
CBN per 56g	16.7		mg/56g	1.83	
CBT per 56g	< LOQ		mg/56g	1.83	
Δ8-THCV per 56g	< LOQ		mg/56g	1.83	
Δ10-THC-9R per 56g	< LOQ		mg/56g	1.83	
Δ10-THC-9S per 56g	< LOQ		mg/56g	1.83	
Δ10-THC-Total per 56g	< LOQ		mg/56g	3.66	
Δ8-THC per 56g	< LOQ		mg/56g	1.83	
Δ9-THC per 56g	144		mg/56g	1.83	
delta-9-THCP per 56g	< LOQ		mg/56g	1.83	
exo-THC per 56g	< LOQ		mg/56g	1.83	
THC-A per 56g	< LOQ		mg/56g	1.83	
THC-Total per 56g	144		mg/56g	3.44	
THCV per 56g	9.41		mg/56g	1.83	
THCV-A per 56g	< LOQ		mg/56g	1.83	
THCV-Total per 56g	9.41		mg/56g	3.44	
Total Cannabinoids per 56g	3660		mg/56g		



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 23-008802/D007.R000
Report Date: 08/02/2023
ORELAP#: OR100028
Purchase Order:
Received: 07/26/23 10:24

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2309460	07/29/23 AOAC 990.12 (Petrifilm) [Ⓟ]		
E.coli	< LOQ		cfu/g	10	2309458	07/29/23 AOAC 991.14 (Petrifilm) [Ⓟ]		
Total Coliforms	< LOQ		cfu/g	10	2309458	07/29/23 AOAC 991.14 (Petrifilm) [Ⓟ]		
Staphylococcus aureus	< LOQ		cfu/g	10	2309462	07/28/23 AOAC 2003.07		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2309459	07/29/23 AOAC 2014.05 (RAPID) [Ⓟ]		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2309459	07/29/23 AOAC 2014.05 (RAPID) [Ⓟ]		
E. coli, O157:H7 (by PCR)	Negative		/5g		2309467	07/28/23 AOAC 2019.03 [Ⓟ]		I
Listeria spp.	Negative		/25g		2309466	07/28/23 AOAC 2019.10		
Salmonella spp. by PCR [‡]	Negative		/25g		2309464	07/28/23 AOAC 2020.02 [Ⓟ]		

Solvents Method: Residual Solvents by GC/MS[Ⓟ] Units µg/g Batch 2309574 Analyze 07/31/23 01:48 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	



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

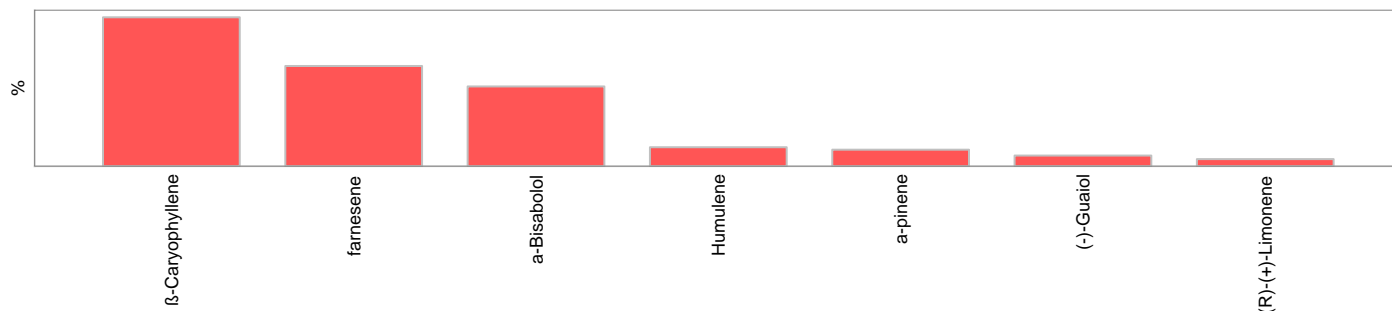


Report Number: 23-008802/D007.R000
Report Date: 08/02/2023
ORELAP#: OR100028
Purchase Order:
Received: 07/26/23 10:24

Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2309567 Analyze 07/31/23 12:44 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		Fonicamid [‡]	< 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		Paclotbutrazole [‡]	< 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							



Terpenes				Method: J AOAC 2015 V98-6	Units %	Batch 2309568	Analyze 07/28/23 06:26 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
β-Caryophyllene	0.202	0.018	35.069%		farnesene	0.140	0.018	24.306%	
α-Bisabolol	0.114	0.018	19.792%		Humulene	0.0371	0.018	6.4410%	
α-pinene	0.0340	0.018	5.9028%		(-)-Guaiol	0.0265	0.018	4.6007%	
(R)-(+)-Limonene	0.0220	0.018	3.8194%		Linalool	< LOQ	0.018	0.00%	
(-)-caryophyllene oxide	< LOQ	0.018	0.00%		(±)-trans-Nerolidol	< LOQ	0.018	0.00%	
(+)-Cedrol	< LOQ	0.018	0.00%		nerol	< LOQ	0.018	0.00%	
β-Myrcene	< LOQ	0.018	0.00%		(±)-cis-Nerolidol	< LOQ	0.018	0.00%	
valencene	< LOQ	0.018	0.00%		(-)-α-Terpineol	< LOQ	0.018	0.00%	
(±)-Camphor	< LOQ	0.018	0.00%		(-)-β-Pinene	< LOQ	0.018	0.00%	
(+)-fenchol	< LOQ	0.018	0.00%		Geranyl acetate	< LOQ	0.018	0.00%	
Isoborneol	< LOQ	0.018	0.00%		(+)-Borneol	< LOQ	0.018	0.00%	
trans-β-Ocimene	< LOQ	0.012	0.00%		Sabinene hydrate	< LOQ	0.018	0.00%	
Menthol	< LOQ	0.018	0.00%		(+)-Pulegone	< LOQ	0.018	0.00%	
(-)-Isopulegol	< LOQ	0.018	0.00%		(±)-fenchone	< LOQ	0.018	0.00%	
α-cedrene	< LOQ	0.018	0.00%		α-phellandrene	< LOQ	0.018	0.00%	
α-Terpinene	< LOQ	0.018	0.00%		Camphene	< LOQ	0.018	0.00%	
cis-β-Ocimene	< LOQ	0.006	0.00%		d-3-Carene	< LOQ	0.018	0.00%	
Eucalyptol	< LOQ	0.018	0.00%		γ-Terpinene	< LOQ	0.018	0.00%	
Geraniol	< LOQ	0.018	0.00%		p-Cymene	< LOQ	0.018	0.00%	
Sabinene	< LOQ	0.018	0.00%		Terpinolene	< LOQ	0.018	0.00%	
Total Terpenes	0.576								



Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic [‡]	< LOQ	0.200	mg/kg	0.0960	2309580	07/31/23 AOAC 2013.06 (mod.) [‡]	pass	
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0960	2309580	07/31/23 AOAC 2013.06 (mod.) [‡]	pass	
Lead [‡]	< LOQ	0.500	mg/kg	0.0960	2309580	07/31/23 AOAC 2013.06 (mod.) [‡]	pass	
Mercury [‡]	< LOQ	0.100	mg/kg	0.0480	2309580	07/31/23 AOAC 2013.06 (mod.) [‡]	pass	



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 23-008802/D007.R000
Report Date: 08/02/2023
ORELAP#: OR100028
Purchase Order:
Received: 07/26/23 10:24

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/56g = Milligram per 56g

/5g = Per 5 grams

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

Approved Signatory

Derrick Tanner
General Manager



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 23-008802/D007.R000
Report Date: 08/02/2023
ORELAP#: OR100028
Purchase Order:
Received: 07/26/23 10:24

