



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



Report Number: 23-008802/D003.R000
Report Date: 08/02/2023
ORELAP#: OR100028
Purchase Order:
Received: 07/26/23 10:24

Customer: Whole Leaf Health, LLC
Product identity: CBDPure Calm, Batch #0523T101
Client/Metric ID: .
Laboratory ID: 23-008802-0003

Summary

Potency:

Analyte	Result	Limits	Units	Status		
CBC	0.222		%		CBD-Total (%)	6.07 %
CBD	6.00		%			
CBD-A	0.0766		%			
CBDV	0.0542		%		CBD-Total per 56g	3400 mg/56g
CBE	0.0983		%			
CBG	0.319		%			
CBL	0.0163		%		THC-Total (%)	0.269 %
CBN	0.0382		%			
Δ9-THC	0.269		%			
THCV	0.0187		%			
Analyte per 56g	Result	Limits	Units	Status		
CBC per 56g	124		mg/56g			
CBD per 56g	3360		mg/56g			
CBD-A per 56g	42.9		mg/56g			
CBDV per 56g	30.4		mg/56g			
CBE per 56g	55.0		mg/56g			
CBG per 56g	179		mg/56g			
CBL per 56g	9.13		mg/56g			
CBN per 56g	21.4		mg/56g			
Δ9-THC per 56g	151		mg/56g			
THCV per 56g	10.5		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
farnesene	0.170	29.21%	a-Bisabolol	0.144	24.74%
β-Caryophyllene	0.120	20.62%	(R)-(+)-Limonene	0.0616	10.58%
Humulene	0.0300	5.15%	(-)-Guaiol	0.0288	4.95%
β-Myrcene	0.0279	4.79%	Total Terpenes	0.582	100.00%



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Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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

Product identity: CBDPure Calm, Batch #0523T101

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-008802-0003

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 11:37:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.222		%	0.00321	
CBC-A	< LOQ		%	0.00321	
CBC-Total	0.222		%	0.00602	
CBD	6.00		%	0.0321	
CBD-A	0.0766		%	0.00321	
CBD-Total	6.07		%	0.0349	
CBDV	0.0542		%	0.00321	
CBDV-A	< LOQ		%	0.00321	
CBDV-Total	0.0542		%	0.00599	
CBE	0.0983		%	0.00321	
CBG	0.319		%	0.00321	
CBG-A	< LOQ		%	0.00321	
CBG-Total	0.319		%	0.00599	
CBL	0.0163		%	0.00321	
CBL-A	< LOQ		%	0.00321	
CBL-Total	0.0163		%	0.00602	
CBN	0.0382		%	0.00321	
CBT	< LOQ		%	0.00321	
Δ8-THCV	< LOQ		%	0.00321	
Δ10-THC-9R	< LOQ		%	0.00321	
Δ10-THC-9S	< LOQ		%	0.00321	
Δ10-THC-Total	< LOQ		%	0.00642	
Δ8-THC	< LOQ		%	0.00321	
Δ9-THC	0.269		%	0.00321	
delta-9-THCP	< LOQ		%	0.00321	
exo-THC	< LOQ		%	0.00321	
THC-A	< LOQ		%	0.00321	
THC-Total	0.269		%	0.00602	
THCV	0.0187		%	0.00321	
THCV-A	< LOQ		%	0.00321	



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Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2309518	Analyze: 7/27/23 11:37:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
THCV-Total	0.0187		%	0.00599	
Total Cannabinoids	7.11		%		

Potency per 56g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2309518	Analyze: 7/27/23 11:37:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 56g	124		mg/56g	1.80	
CBC-A per 56g	< LOQ		mg/56g	1.80	
CBC-Total per 56g	124		mg/56g	3.37	
CBD per 56g	3360		mg/56g	18.0	
CBD-A per 56g	42.9		mg/56g	1.80	
CBD-Total per 56g	3400		mg/56g	19.5	
CBDV per 56g	30.4		mg/56g	1.80	
CBDV-A per 56g	< LOQ		mg/56g	1.80	
CBDV-Total per 56g	30.4		mg/56g	3.36	
CBE per 56g	55.0		mg/56g	1.80	
CBG per 56g	179		mg/56g	1.80	
CBG-A per 56g	< LOQ		mg/56g	1.80	
CBG-Total per 56g	179		mg/56g	3.36	
CBL per 56g	9.13		mg/56g	1.80	
CBL-A per 56g	< LOQ		mg/56g	1.80	
CBL-Total per 56g	9.13		mg/56g	3.37	
CBN per 56g	21.4		mg/56g	1.80	
CBT per 56g	< LOQ		mg/56g	1.80	
Δ8-THCV per 56g	< LOQ		mg/56g	1.80	
Δ10-THC-9R per 56g	< LOQ		mg/56g	1.80	
Δ10-THC-9S per 56g	< LOQ		mg/56g	1.80	
Δ10-THC-Total per 56g	< LOQ		mg/56g	3.59	
Δ8-THC per 56g	< LOQ		mg/56g	1.80	
Δ9-THC per 56g	151		mg/56g	1.80	
delta-9-THCP per 56g	< LOQ		mg/56g	1.80	
exo-THC per 56g	< LOQ		mg/56g	1.80	
THC-A per 56g	< LOQ		mg/56g	1.80	
THC-Total per 56g	151		mg/56g	3.37	
THCV per 56g	10.5		mg/56g	1.80	
THCV-A per 56g	< LOQ		mg/56g	1.80	
THCV-Total per 56g	10.5		mg/56g	3.37	
Total Cannabinoids per 56g	3980		mg/56g		



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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	

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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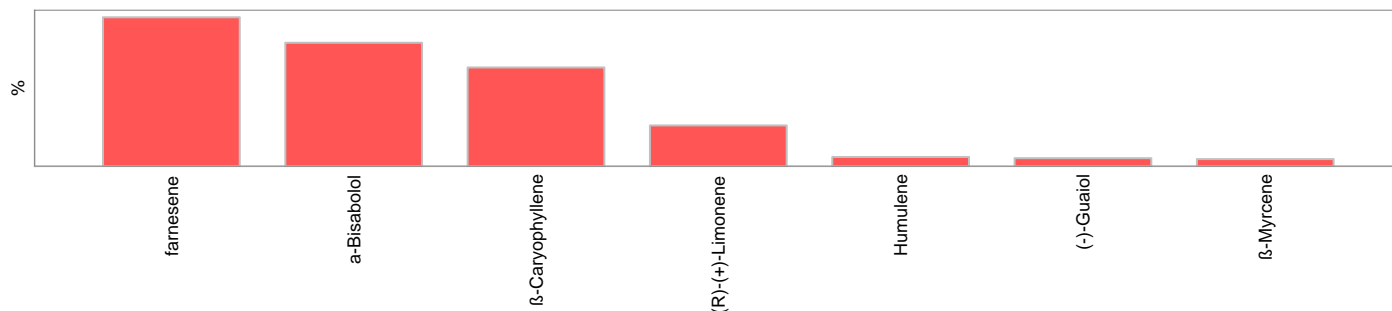


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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2309567 Analyze 07/31/23 12:44 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [‡]	< LOQ	0.50	0.250	pass		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	
Bifentazate [‡]	< 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		Etoazole [‡]	< 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	
Imazali [‡]	< 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 08:04 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
farnesene	0.170	0.019	29.210%		a-Bisabolol	0.144	0.019	24.742%	
β-Caryophyllene	0.120	0.019	20.619%		(R)-(+)-Limonene	0.0616	0.019	10.5842%	
Humulene	0.0300	0.019	5.1546%		(-)-Guaiol	0.0288	0.019	4.9485%	
β-Myrcene	0.0279	0.019	4.7938%		(-)-caryophyllene oxide	< LOQ	0.019	0.00%	
Geraniol	< LOQ	0.019	0.00%		Linalool	< LOQ	0.019	0.00%	
Terpinolene	< LOQ	0.019	0.00%		(-)-β-Pinene	< LOQ	0.019	0.00%	
nerol	< LOQ	0.019	0.00%		Sabinene hydrate	< LOQ	0.019	0.00%	
(±)-fenchone	< LOQ	0.019	0.00%		(+)-fenchol	< LOQ	0.019	0.00%	
(+)-Pulegone	< LOQ	0.019	0.00%		(±)-trans-Nerolidol	< LOQ	0.019	0.00%	
(±)-cis-Nerolidol	< LOQ	0.019	0.00%		(-)-a-Terpineol	< LOQ	0.019	0.00%	
(±)-Camphor	< LOQ	0.019	0.00%		valencene	< LOQ	0.019	0.00%	
(+)-Borneol	< LOQ	0.019	0.00%		a-pinene	< LOQ	0.019	0.00%	
gamma-Terpinene	< LOQ	0.019	0.00%		Menthol	< LOQ	0.019	0.00%	
Geranyl acetate	< LOQ	0.019	0.00%		(+)-Cedrol	< LOQ	0.019	0.00%	
(-)-Isopulegol	< LOQ	0.019	0.00%		a-cedrene	< LOQ	0.019	0.00%	
a-phellandrene	< LOQ	0.019	0.00%		a-Terpinene	< LOQ	0.019	0.00%	
Camphene	< LOQ	0.019	0.00%		cis-β-Ocimene	< LOQ	0.006	0.00%	
d-3-Carene	< LOQ	0.019	0.00%		Eucalyptol	< LOQ	0.019	0.00%	
Isoborneol	< LOQ	0.019	0.00%		p-Cymene	< LOQ	0.019	0.00%	
Sabinene	< LOQ	0.019	0.00%		trans-β-Ocimene	< LOQ	0.013	0.00%	
Total Terpenes	0.582								



Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic [‡]	< LOQ	0.200	mg/kg	0.0916	2309580	07/31/23 AOAC 2013.06 (mod.) ^p	pass	
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0916	2309580	07/31/23 AOAC 2013.06 (mod.) ^p	pass	
Lead [‡]	< LOQ	0.500	mg/kg	0.0916	2309580	07/31/23 AOAC 2013.06 (mod.) ^p	pass	
Mercury [‡]	< LOQ	0.100	mg/kg	0.0458	2309580	07/31/23 AOAC 2013.06 (mod.) ^p	pass	



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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/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



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