



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



Report Number: 23-014145/D007.R000
Report Date: 12/11/2023
ORELAP#: OR100028
Purchase Order:
Received: 12/04/23 11:31

Customer: Whole Leaf Health, LLC
Product identity: CBDPure 600, Batch #0723T501
Client/Metric ID: .
Laboratory ID: 23-014145-0001

Summary

Potency:

Analyte per 60ml	Result	Limits	Units	Status		
CBC per 60ml	12.8		mg/60ml		CBD-Total (%)	1.19 %
CBD per 60ml	651		mg/60ml			
CBD-A per 60ml	4.61		mg/60ml			
CBDV per 60ml	4.80		mg/60ml		CBD-Total per 60ml	655 mg/60ml
CBE per 60ml	3.84		mg/60ml			
CBG per 60ml	6.13		mg/60ml			
Δ9-THC per 60ml	19.7		mg/60ml		THC-Total (%)	0.0357 %

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	0.0372	100.00%	Total Terpenes	0.0372	100.00%

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 600, Batch #0723T501

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-014145-0001

Evidence of Cooling: No

Temp: 19.2 °C

Relinquished by: shipping

Serving Size #1: 55.2 g

Density: 0.9200 g/ml

Sample Results

Potency per 60ml	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2313372	Analyze: 12/6/23 6:15:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 60ml	12.8		mg/60ml	1.75	
CBC-A per 60ml	< LOQ		mg/60ml	1.75	
CBC-Total per 60ml	12.8		mg/60ml	3.28	
CBD per 60ml	651		mg/60ml	17.5	
CBD-A per 60ml	4.61		mg/60ml	1.75	
CBD-Total per 60ml	655		mg/60ml	19.0	
CBDV per 60ml	4.80		mg/60ml	1.75	
CBDV-A per 60ml	< LOQ		mg/60ml	1.75	
CBDV-Total per 60ml	4.80		mg/60ml	3.26	
CBE per 60ml	3.84		mg/60ml	1.75	
CBG per 60ml	6.13		mg/60ml	1.75	
CBG-A per 60ml	< LOQ		mg/60ml	1.75	
CBG-Total per 60ml	6.13		mg/60ml	3.26	
CBL per 60ml	< LOQ		mg/60ml	1.75	
CBL-A per 60ml	< LOQ		mg/60ml	1.75	
CBL-Total per 60ml	< LOQ		mg/60ml	3.28	
CBN per 60ml	< LOQ		mg/60ml	1.75	
CBT per 60ml	< LOQ		mg/60ml	1.75	
Δ8-THCV per 60ml	< LOQ		mg/60ml	1.75	
Δ10-THC-9R per 60ml	< LOQ		mg/60ml	1.75	
Δ10-THC-9S per 60ml	< LOQ		mg/60ml	1.75	
Δ10-THC-Total per 60ml	< LOQ		mg/60ml	3.49	
Δ8-THC per 60ml	< LOQ		mg/60ml	1.75	
Δ9-THC per 60ml	19.7		mg/60ml	1.75	
delta-9-THCP per 60ml	< LOQ		mg/60ml	1.75	
exo-THC per 60ml	< LOQ		mg/60ml	1.75	
THC-A per 60ml	< LOQ		mg/60ml	1.75	
THC-Total per 60ml	19.7		mg/60ml	3.28	
THCV per 60ml	< LOQ		mg/60ml	1.75	



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Potency per 60ml		Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2313372	Analyze: 12/6/23 6:15:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
THCV-A per 60ml	< LOQ		mg/60ml	1.75	
THCV-Total per 60ml	< LOQ		mg/60ml	3.28	
Total Cannabinoids per 60ml	703		mg/60ml		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2313297	12/07/23 AOAC 990.12 (Petrifilm) ^b		
E.coli	< LOQ		cfu/g	10	2313295	12/07/23 AOAC 991.14 (Petrifilm) ^b		
Total Coliforms	< LOQ		cfu/g	10	2313295	12/07/23 AOAC 991.14 (Petrifilm) ^b		
Staphylococcus aureus	< LOQ		cfu/g	10	2313299	12/06/23 AOAC 2003.07		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2313296	12/08/23 AOAC 2014.05 (RAPID) ^b		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2313296	12/08/23 AOAC 2014.05 (RAPID) ^b		
Listeria spp.	Negative	/25g			2313302	12/06/23 AOAC 2019.10		
Salmonella spp. by PCR*	Negative	/25g			2313300	12/06/23 AOAC 2020.02 ^b		
EHEC including STEC*	Negative	/25g			2313301	12/06/23 AOAC RI 121806 ^b		

Solvents		Method: Residual Solvents by GC/MS ^b				Units µg/g	Batch 2313336	Analyze 12/06/23 10:31 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	

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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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2313414 Analyze 12/08/23 11:34 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	
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		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 2313417	Analyze 12/07/23 05:15 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
farnesene	0.0372	0.019	100.0000%		a-Bisabolol	< LOQ	0.019	0.00%	
β-Caryophyllene	< LOQ	0.019	0.00%		Humulene	< LOQ	0.019	0.00%	
(±)-trans-Nerolidol	< LOQ	0.019	0.00%		(-)-Guaiol	< LOQ	0.019	0.00%	
(±)-cis-Nerolidol	< LOQ	0.019	0.00%		(-)-caryophyllene oxide	< LOQ	0.019	0.00%	
Geraniol	< LOQ	0.019	0.00%		nerol	< LOQ	0.019	0.00%	
valencene	< LOQ	0.019	0.00%		(+)-Pulegone	< LOQ	0.019	0.00%	
Sabinene hydrate	< LOQ	0.019	0.00%		(+)-Cedrol	< LOQ	0.019	0.00%	
Menthol	< LOQ	0.019	0.00%		(+)-fenchol	< LOQ	0.019	0.00%	
(±)-Camphor	< LOQ	0.019	0.00%		(+)-Borneol	< LOQ	0.019	0.00%	
(±)-fenchone	< LOQ	0.019	0.00%		(-)-a-Terpineol	< LOQ	0.019	0.00%	
Eucalyptol	< LOQ	0.019	0.00%		Geranyl acetate	< LOQ	0.019	0.00%	
(-)-Isopulegol	< LOQ	0.019	0.00%		(-)-β-Pinene	< LOQ	0.019	0.00%	
(R)-(+)-Limonene	< LOQ	0.019	0.00%		a-cedrene	< LOQ	0.019	0.00%	
a-phellandrene	< LOQ	0.019	0.00%		a-pinene	< 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%	
gamma-Terpinene	< LOQ	0.019	0.00%		Isoborneol	< LOQ	0.019	0.00%	
Linalool	< LOQ	0.019	0.00%		p-Cymene	< LOQ	0.019	0.00%	
Sabinene	< LOQ	0.019	0.00%		β-Myrcene	< LOQ	0.019	0.00%	
Terpinolene	< LOQ	0.019	0.00%		trans-β-Ocimene	< LOQ	0.013	0.00%	
Total Terpenes	0.0372								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes	
Arsenic [‡]	< LOQ	0.200	mg/kg	0.0921	2313352	12/06/23 AOAC 2013.06 (mod.) ^p	pass		
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0921	2313352	12/06/23 AOAC 2013.06 (mod.) ^p	pass		
Lead [‡]	< LOQ	0.500	mg/kg	0.0921	2313352	12/06/23 AOAC 2013.06 (mod.) ^p	pass		
Mercury [‡]	< LOQ	0.100	mg/kg	0.0461	2313352	12/06/23 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.

^p = 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

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

mg/60ml = Milligram per 60ml

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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