



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



Report Number: 20-004384/D04.R02
Report Date: 05/28/2020
ORELAP#: OR100028
Purchase Order:
Received: 04/28/20 11:58

This is an amended version of report# 20-004384/D04.R01

.Reason: Updated report formatting.

Customer: Nutra Pure LLC
Product identity: CBD Pure 1000
Client/Metric ID: Batch #51991
Laboratory ID: 20-004384-0003

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.0566		%		CBD-Total per 60ml 1100 mg/60ml
CBD	1.98		%		
CBD-A	0.0107		%		THC-Total (%) 0.116 %
CBDV†	0.0104		%		
CBG†	0.0336		%		
CBL†	0.00437		%		
CBN	0.00386		%		
Δ9-THC	0.116		%		
Analyte per 60ml	Result	Limits	Units	Status	
CBC per 60ml	31.2		mg/60ml		
CBD per 60ml	1090		mg/60ml		
CBD-A per 60ml	5.91		mg/60ml		
CBDV per 60ml	5.74		mg/60ml		
CBG per 60ml	18.5		mg/60ml		
CBL per 60ml	2.41		mg/60ml		
CBN per 60ml	2.13		mg/60ml		
Δ9-THC per 60ml	64.0		mg/60ml		

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: Nutra Pure LLC

Product identity: CBD Pure 1000

Client/Metric ID: Batch #51991

Sample Date:

Laboratory ID: 20-004384-0003

Relinquished by: UPS

Temp: 21.8 °C

Sample Results

Potency					
Method J AOAC 2015 V98-6 (mod) Batch: 2003658 Analyze: 4/29/20 10:29:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.0566		%	0.0033	
CBC-A†	< LOQ		%	0.0033	
CBC-Total†	0.0566		%	0.0062	
CBD	1.98		%	0.0329	
CBD-A	0.0107		%	0.0033	
CBD-Total	1.99		%	0.0358	
CBDV†	0.0104		%	0.0033	
CBDV-A†	< LOQ		%	0.0033	
CBDV-Total†	0.0104		%	0.0061	
CBG†	0.0336		%	0.0033	
CBG-A†	< LOQ		%	0.0033	
CBG-Total	0.0336		%	0.0061	
CBL†	0.00437		%	0.0033	
CBN	0.00386		%	0.0033	
Δ8-THC†	< LOQ		%	0.0033	
Δ9-THC	0.116		%	0.0033	
THC-A	< LOQ		%	0.0033	
THC-Total	0.116		%	0.0062	
THCV†	< LOQ		%	0.0033	
THCV-A†	< LOQ		%	0.0033	
THCV-Total†	< LOQ		%	0.0061	
Total Cannabinoids†	2.22		%		

Potency per 60ml					
Method J AOAC 2015 V98-6 (mod) Batch: 2003658 Analyze: 4/29/20 10:29:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 60ml	31.2		mg/60ml	1.82	
CBC-A per 60ml	< LOQ		mg/60ml	1.82	
CBC-Total per 60ml	31.2		mg/60ml	3.41	
CBD per 60ml	1090		mg/60ml	18.2	
CBD-A per 60ml	5.91		mg/60ml	1.82	
CBD-Total per 60ml	1100		mg/60ml	19.8	
CBDV per 60ml	5.74		mg/60ml	1.82	
CBDV-A per 60ml	< LOQ		mg/60ml	1.82	
CBDV-Total per 60ml	5.74		mg/60ml	3.39	

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Potency per 60ml **Method J AOAC 2015 V98-6 (mod) Batch: 2003658 Analyze: 4/29/20 10:29:00 AM**

Analyte	Result	Limits	Units	LOQ	Notes
CBG per 60ml	18.5		mg/60ml	1.82	
CBG-A per 60ml	< LOQ		mg/60ml	1.82	
CBG-Total per 60ml	18.5		mg/60ml	3.39	
CBL per 60ml	2.41		mg/60ml	1.82	
CBN per 60ml	2.13		mg/60ml	1.82	
Δ8-THC per 60ml	< LOQ		mg/60ml	1.82	
Δ9-THC per 60ml	64.0		mg/60ml	1.82	
THC-A per 60ml	< LOQ		mg/60ml	1.82	
THC-Total per 60ml	64.0		mg/60ml	3.41	
THCV per 60ml	< LOQ		mg/60ml	1.82	
THCV-A per 60ml	< LOQ		mg/60ml	1.82	
THCV-Total per 60ml	< LOQ		mg/60ml	3.41	
Total Cannabinoids 60ml[†]	1220		mg/60ml		

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Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Density	0.920		g/ml			04/28/20	Client Provided	

Solvents	Method	EPA5021A	Units	µg/g	Batch	2003617	Analyze	04/29/20	10:29 AM
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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	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< 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	30.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	200	pass	
Methylpropane	< 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	< LOQ	2170	600	pass	

Pesticides	Method	AOAC 2007.01 & EN 15662 (mod)	Units	mg/kg	Batch	2003695	Analyze	05/01/20	09:43 AM
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Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	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		Paclobutrazole	< LOQ	0.40	0.200	pass	

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Pesticides		Method AOAC 2007.01 & EN 15662 (mod)				Units mg/kg	Batch 2003695	Analyze 05/01/20 09:43 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Parathion-Methyl	< LOQ	0.20	0.200	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	0.200	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							

Microbiology									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes	
Aerobic Plate Count	< LOQ		cfu/g	10	2003597	04/30/20	AOAC 990.12 (Petrifilm)	X	
E. coli	< LOQ		cfu/g	10	2003596	04/30/20	AOAC 991.14 (Petrifilm)	X	
Total Coliforms	< LOQ		cfu/g	10	2003596	04/30/20	AOAC 991.14 (Petrifilm)	X	
Staphylococcus aureus	< LOQ		cfu/g	10	2003598	04/29/20	AOAC 2003.07	X	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2003595	04/30/20	AOAC 2014.05 (RAPID)	X	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2003595	04/30/20	AOAC 2014.05 (RAPID)	X	
Salmonella spp.	Negative		/10g		2003585	04/29/20	AOAC 2016.01	X	
Listeria spp.	Negative		/10g		2003599	04/29/20	AOAC 2016.07	X	
E. coli O157:H7	Negative		/10g		2003600	04/29/20	AOAC 2017.01	X	

Solvents		Method EPA5021A				Units µg/g	Batch 2003617	Analyze 04/29/20 10:29 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	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< 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	30.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	200	pass	
Methylpropane	< 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	< LOQ	2170	600	pass	

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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2003695 Analyze 05/01/20 09:43 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	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		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	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	0.200	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	Analyze	Method	Notes		
Arsenic	< LOQ		mg/kg	0.0449	2003660	04/29/20	AOAC 2013.06 (mod.)	X		
Cadmium	< LOQ		mg/kg	0.0449	2003660	04/29/20	AOAC 2013.06 (mod.)	X		
Lead	< LOQ		mg/kg	0.0449	2003660	04/29/20	AOAC 2013.06 (mod.)	X		
Mercury	< LOQ		mg/kg	0.0225	2003660	04/29/20	AOAC 2013.06 (mod.)	X		

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These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

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.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram

g = Gram

g/ml = Gram per milliliter

µg/g = Microgram per gram

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

mg/60ml = Milligram per 60ml

/10g = Per 10 grams

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager