



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



Report Number: 22-004721/D042.R000
Report Date: 05/13/2022
ORELAP#: OR100028
Purchase Order:
Received: 04/26/22 15:19

Customer: R&R
Product identity: R&R Organic Full Spectrum 1000mg Tincture - Fresh Mint
Client/Metric ID: Lot 0564
Laboratory ID: 22-004721-0006

Summary

Potency:

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml [†]	1.31		mg/1ml		CBD-Total per 1ml 34.4 mg/1ml
CBD per 1ml	33.4		mg/1ml		
CBD-A per 1ml	1.24		mg/1ml		THC-Total per 1ml 1.39 mg/1ml
CBDV per 1ml [†]	0.211		mg/1ml		
CBE per 1ml [†]	0.236		mg/1ml		CBD-Total per 30ml 1030 mg/30ml
CBG per 1ml [†]	0.436		mg/1ml		
CBN per 1ml	0.115		mg/1ml		THC-Total per 30ml 41.7 mg/30ml
CBT per 1ml [†]	0.660		mg/1ml		
Δ9-THC per 1ml	1.39		mg/1ml		(Reported in milligrams per serving)
Analyte per 30ml	Result	Limits	Units	Status	
CBC per 30ml [†]	39.4		mg/30ml		
CBD per 30ml	1000		mg/30ml		
CBD-A per 30ml	37.1		mg/30ml		
CBDV per 30ml [†]	6.32		mg/30ml		
CBE per 30ml [†]	7.09		mg/30ml		
CBG per 30ml [†]	13.1		mg/30ml		
CBN per 30ml	3.46		mg/30ml		
CBT per 30ml [†]	19.8		mg/30ml		
Δ9-THC per 30ml	41.7		mg/30ml		

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.



Customer: R&R
 United States of America (USA)
Product identity: R&R Organic Full Spectrum 1000mg Tincture - Fresh Mint
Client/Metric ID: Lot 0564
Sample Date:
Laboratory ID: 22-004721-0006
Evidence of Cooling: No
Temp: 18.8 °C
Relinquished by: USPS
Serving Size #1: 0.945 g
Serving Size #2: 28.35 g
Density: 0.9450 g/ml



Sample Results

Potency per 1ml	Method J AOAC 2015 V98-6 (mod)Units mg/se			Batch: 2203744	Analyze: 5/2/22 1:11:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml [†]	1.31		mg/1ml	0.0305	
CBC-A per 1ml [†]	< LOQ		mg/1ml	0.0305	
CBC-Total per 1ml [†]	1.31		mg/1ml	0.0572	
CBD per 1ml	33.4		mg/1ml	0.305	
CBD-A per 1ml	1.24		mg/1ml	0.0305	
CBD-Total per 1ml	34.4		mg/1ml	0.331	
CBDV per 1ml [†]	0.211		mg/1ml	0.0305	
CBDV-A per 1ml [†]	< LOQ		mg/1ml	0.0305	
CBDV-Total per 1ml [†]	0.211		mg/1ml	0.0569	
CBE per 1ml [†]	0.236		mg/1ml	0.0305	
CBG per 1ml [†]	0.436		mg/1ml	0.0305	
CBG-A per 1ml [†]	< LOQ		mg/1ml	0.0305	
CBG-Total per 1ml [†]	0.436		mg/1ml	0.0569	
CBL per 1ml [†]	< LOQ		mg/1ml	0.0305	
CBL-A per 1ml [†]	< LOQ		mg/1ml	0.0305	
CBL-Total per 1ml [†]	< LOQ		mg/1ml	0.0572	
CBN per 1ml	0.115		mg/1ml	0.0305	
CBT per 1ml [†]	0.660		mg/1ml	0.0305	
Δ8-THCV per 1ml [†]	< LOQ		mg/1ml	0.0305	
Δ8-THC per 1ml [†]	< LOQ		mg/1ml	0.0305	
Δ9-THC per 1ml	1.39		mg/1ml	0.0305	
exo-THC per 1ml [†]	< LOQ		mg/1ml	0.0305	
THC-A per 1ml	< LOQ		mg/1ml	0.0305	
THC-Total per 1ml	1.39		mg/1ml	0.0572	
THCV per 1ml [†]	< LOQ		mg/1ml	0.0305	
THCV-A per 1ml [†]	< LOQ		mg/1ml	0.0305	
THCV-Total per 1ml [†]	< LOQ		mg/1ml	0.0572	



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Potency per 30ml **Method J AOAC 2015 V98-6 (mod)Units mg/se Batch: 2203744 Analyze: 5/2/22 1:11:00 PM**

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 30ml [†]	39.4		mg/30ml	0.914	
CBC-A per 30ml [†]	< LOQ		mg/30ml	0.914	
CBC-Total per 30ml [†]	39.4		mg/30ml	1.72	
CBD per 30ml	1000		mg/30ml	9.14	
CBD-A per 30ml	37.1		mg/30ml	0.914	
CBD-Total per 30ml	1030		mg/30ml	9.94	
CBDV per 30ml [†]	6.32		mg/30ml	0.914	
CBDV-A per 30ml [†]	< LOQ		mg/30ml	0.914	
CBDV-Total per 30ml [†]	6.32		mg/30ml	1.71	
CBE per 30ml [†]	7.09		mg/30ml	0.914	
CBG per 30ml [†]	13.1		mg/30ml	0.914	
CBG-A per 30ml [†]	< LOQ		mg/30ml	0.914	
CBG-Total per 30ml [†]	13.1		mg/30ml	1.71	
CBL per 30ml [†]	< LOQ		mg/30ml	0.914	
CBL-A per 30ml [†]	< LOQ		mg/30ml	0.914	
CBL-Total per 30ml [†]	< LOQ		mg/30ml	1.72	
CBN per 30ml	3.46		mg/30ml	0.914	
CBT per 30ml [†]	19.8		mg/30ml	0.914	
Δ8-THCV per 30ml [†]	< LOQ		mg/30ml	0.914	
Δ8-THC per 30ml [†]	< LOQ		mg/30ml	0.914	
Δ9-THC per 30ml	41.7		mg/30ml	0.914	
exo-THC per 30ml [†]	< LOQ		mg/30ml	0.914	
THC-A per 30ml	< LOQ		mg/30ml	0.914	
THC-Total per 30ml	41.7		mg/30ml	1.72	
THCV per 30ml [†]	< LOQ		mg/30ml	0.914	
THCV-A per 30ml [†]	< LOQ		mg/30ml	0.914	
THCV-Total per 30ml [†]	< LOQ		mg/30ml	1.72	

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aerobic Plate Count	< LOQ	10,000.00	cfu/g	10	2203844	05/07/22	AOAC 990.12 (Petrifilm)	pass	X
E.coli	< LOQ	100.00	cfu/g	10	2203842	05/07/22	AOAC 991.14 (Petrifilm)	pass	X
Total Coliforms	< LOQ	100.00	cfu/g	10	2203842	05/07/22	AOAC 991.14 (Petrifilm)	pass	X
Mold (RAPID Petrifilm)	< LOQ	1,000.00	cfu/g	10	2203843	05/08/22	AOAC 2014.05 (RAPID)	pass	X
Yeast (RAPID Petrifilm)	< LOQ	1,000.00	cfu/g	10	2203843	05/08/22	AOAC 2014.05 (RAPID)	pass	X
Salmonella spp. by PCR	Negative		/25g		2203848	05/06/22	AOAC 2020.02		X
EHEC including STEC	Negative		/25g		2203851	05/06/22	AOAC RI 121806		X



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Solvents				Residual Solvents by GC/MS				Units µg/g		Batch 2204080		Analyze 05/12/22 12:27 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes				
2-Methylbutane (Isopentane)	< LOQ	1000	200			2-Methylpentane	< LOQ	60.0	30.0						
2-Propanol (IPA)	< LOQ	1000	200			2,2-Dimethylbutane	< LOQ	60.0	30.0						
2,2-Dimethylpropane (neo-pentane)	< LOQ	1000	200			2,3-Dimethylbutane	< LOQ	60.0	30.0						
3-Methylpentane	< LOQ	60.0	30.0			Acetone	< LOQ	1000	200						
Benzene	< LOQ	2.00	1.00			Butanes (sum)	< LOQ	1000	400						
Ethanol ¹	< LOQ	1000	200			Ethyl acetate	< LOQ	1000	200						
Hexanes (sum)	< LOQ	60.0	150			m,p-Xylene	< LOQ	430	200						
Methanol	< LOQ	600	200			Methylpropane (Isobutane)	< LOQ	1000	200						
n-Butane	< LOQ	1000	200			n-Heptane	< LOQ	1000	200						
n-Hexane	< LOQ	60.0	30.0			n-Pentane	< LOQ	1000	200						
o-Xylene	< LOQ	430	200			Pentanes (sum)	< LOQ	1000	600						
Propane	< LOQ	1000	200			Toluene	< LOQ	180	100						
Total Xylenes	< LOQ	430	400												



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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2203876 Analyze 05/05/22 03:24 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ		0.070			Acephate	< LOQ		0.020		
Acequinocyl	< LOQ		0.025			Acetamiprid	< LOQ		0.050		
Aldicarb	< LOQ		0.100			Bifenazate	< LOQ		0.010		
Bifenthrin	< LOQ		0.100			Boscalid	< LOQ		0.010		
Carbaryl	< LOQ		0.025			Carbofuran	< LOQ		0.010		
Chlorantraniliprole	< LOQ		0.010			Chlorfenapyr	< LOQ		0.100		
Chlorpyrifos	< LOQ		0.010			Clofentezine	< LOQ		0.010		
Cyfluthrin	< LOQ		0.200			Cypermethrin	< LOQ		0.300		
Daminozide	< LOQ		0.050			Diazinon	< LOQ		0.010		
Dichlorvos	< LOQ		0.050			Dimethoate	< LOQ		0.010		
Ethoprophos	< LOQ		0.010			Etofenprox	< LOQ		0.010		
Etoxazole	< LOQ		0.010			Fenoxycarb	< LOQ		0.010		
Fenpyroximate	< LOQ		0.020			Fipronil	< LOQ		0.010		
Flonicamid	< LOQ		0.025			Fludioxonil	< LOQ		0.010		
Hexythiazox	< LOQ		0.010			Imazalil	< LOQ		0.010		
Imidacloprid	< LOQ		0.010			Kresoxim-methyl	< LOQ		0.010		
Malathion	< LOQ		0.010			Metalaxyl	< LOQ		0.010		
Methiocarb	< LOQ		0.010			Methomyl	< LOQ		0.025		
MGK-264	< LOQ		0.050			Myclobutanil	< LOQ		0.010		
Naled	< LOQ		0.100			Oxamyl	< LOQ		0.500		
Paclbutrazole	< LOQ		0.010			Parathion-Methyl	< LOQ		0.030		
Permethrin	< LOQ		0.040			Phosmet	< LOQ		0.010		
Piperonyl butoxide	< LOQ		0.200			Prallethrin	< LOQ		0.050		
Propiconazole	< LOQ		0.010			Propoxur	< LOQ		0.010		
Pyrethrins (total)	< LOQ		0.025			Pyridaben	< LOQ		0.020		
Spinosad	< LOQ		0.010			Spiromesifen	< LOQ		0.030		
Spirotetramat	< LOQ		0.010			Spiroxamine	< LOQ		0.010		
Tebuconazole	< LOQ		0.010			Thiacloprid	< LOQ		0.010		
Thiamethoxam	< LOQ		0.010			Trifloxystrobin	< LOQ		0.010		

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes	
Arsenic	< LOQ	1.50	mg/kg	0.0873	2203916	05/05/22	AOAC 2013.06 (mod.)	pass	X	
Cadmium	< LOQ	0.50	mg/kg	0.0873	2203916	05/05/22	AOAC 2013.06 (mod.)	pass	X	
Lead	< LOQ	0.50	mg/kg	0.0873	2203916	05/05/22	AOAC 2013.06 (mod.)	pass	X	
Mercury	< LOQ	1.50	mg/kg	0.0437	2203916	05/05/22	AOAC 2013.06 (mod.)	pass	X	



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Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aflatoxin B2†	< LOQ	5.00	µg/kg	5.00	2204056	05/11/22	AOAC 2007.01 & EN 15	pass	
Aflatoxin B1†	< LOQ	5.00	µg/kg	5.00	2204056	05/11/22	AOAC 2007.01 & EN 15	pass	
Aflatoxin G1†	< LOQ	5.00	µg/kg	5.00	2204056	05/11/22	AOAC 2007.01 & EN 15	pass	
Aflatoxin G2†	< LOQ	5.00	µg/kg	5.00	2204056	05/11/22	AOAC 2007.01 & EN 15	pass	
Deoxynivalenol†	< LOQ		µg/kg	200	2204056	05/11/22	AOAC 2007.01 & EN 15		
Fumonisin B1†	< LOQ		µg/kg	200	2204056	05/11/22	AOAC 2007.01 & EN 15		
Fumonisin B2†	< LOQ		µg/kg	200	2204056	05/11/22	AOAC 2007.01 & EN 15		
HT2-Toxin†	< LOQ		µg/kg	40.0	2204056	05/11/22	AOAC 2007.01 & EN 15		
Ochratoxin A†	< LOQ	5.00	µg/kg	5.00	2204056	05/11/22	AOAC 2007.01 & EN 15	pass	
Ochratoxin B†	< LOQ		µg/kg	2.00	2204056	05/11/22	AOAC 2007.01 & EN 15		
T2-Toxin†	< LOQ		µg/kg	20.0	2204056	05/11/22	AOAC 2007.01 & EN 15		
Zearalenone†	< LOQ		µg/kg	200	2204056	05/11/22	AOAC 2007.01 & EN 15		



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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, 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.

Threshold Note: Action levels per 6 CCR 1010-21 CDPHE requirements

† = Analyte not NELAP accredited.

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

µg/kg = Micrograms per kilogram = parts per billion (ppb)

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

mg/1ml = Milligram per 1ml

mg/30ml = Milligram per 30ml

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager