



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



Report Number: 22-013266/D006.R003
Report Date: 11/09/2022
ORELAP#: OR100028
Purchase Order:
Received: 10/28/22 13:10

This is an amended version of report# 22-013266/D006.R002.

Reason: Updated reporting units.

Customer: R&R
Product identity: R&R 1000mg Full Spectrum Cream - Lot 3103
Client/Metric ID: .
Laboratory ID: 22-013266-0002

Summary

Potency:

Analyte per 2.7g	Result	Limits	Units	Status	CBD-Total per Serving Size 34.8 mg/2.7g
CBC per 2.7g	1.19		mg/2.7g		
CBD per 2.7g	34.0		mg/2.7g		
CBD-A per 2.7g	0.886		mg/2.7g		THC-Total per Serving Size 1.36 mg/2.7g
CBDV per 2.7g	0.134		mg/2.7g		
CBG per 2.7g	0.543		mg/2.7g		
CBN per 2.7g	0.113		mg/2.7g		CBD-Total per Serving Size 1040 mg/81g
CBT per 2.7g	0.637		mg/2.7g		
Δ9-THC per 2.7g	1.36		mg/2.7g		THC-Total per Serving Size 40.7 mg/81g
Analyte per 81g	Result	Limits	Units	Status	(Reported in milligrams per serving)
CBC per 81g	35.6		mg/81g		
CBD per 81g	1020		mg/81g		
CBD-A per 81g	26.6		mg/81g		
CBDV per 81g	4.03		mg/81g		
CBG per 81g	16.3		mg/81g		
CBN per 81g	3.39		mg/81g		
CBT per 81g	19.1		mg/81g		
Δ9-THC per 81g	40.7		mg/81g		

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Less than LOQ for all analytes.

Metals:

Less than LOQ for all analytes.



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Customer: R&R
United States of America (USA)
Product identity: R&R 1000mg Full Spectrum Cream - Lot 3103
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-013266-0002
Evidence of Cooling: No
Temp: 18.8 °C
Relinquished by: usps
Serving Size #1: 2.7 g
Serving Size #2: 81 g



Sample Results

Potency per 2.7g Method: J AOAC 2015 V98-6 (mod) ^b Units mg/se Batch: 2209356 Analyze: 11/1/22 4:37:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 2.7g	1.19		mg/2.7g	0.0857	
CBC-A per 2.7g	< LOQ		mg/2.7g	0.0803	
CBC-Total per 2.7g	1.19		mg/2.7g	0.161	
CBD per 2.7g	34.0		mg/2.7g	0.857	
CBD-A per 2.7g	0.886		mg/2.7g	0.0857	
CBD-Total per 2.7g	34.8		mg/2.7g	0.932	
CBDV per 2.7g	0.134		mg/2.7g	0.0857	
CBDV-A per 2.7g	< LOQ		mg/2.7g	0.0803	
CBDV-Total per 2.7g	< LOQ		mg/2.7g	0.160	
CBE per 2.7g	< LOQ		mg/2.7g	0.0803	
CBG per 2.7g	0.543		mg/2.7g	0.0857	
CBG-A per 2.7g	< LOQ		mg/2.7g	0.0803	
CBG-Total per 2.7g	0.543		mg/2.7g	0.160	
CBL per 2.7g	< LOQ		mg/2.7g	0.0803	
CBL-A per 2.7g	< LOQ		mg/2.7g	0.0803	
CBL-Total per 2.7g	< LOQ		mg/2.7g	0.151	
CBN per 2.7g	0.113		mg/2.7g	0.0857	
CBT per 2.7g	0.637		mg/2.7g	0.0857	
Δ8-THCV per 2.7g	< LOQ		mg/2.7g	0.0803	
Δ10-THC per 2.7g	< LOQ		mg/2.7g	0.0803	
Δ8-THC per 2.7g	< LOQ		mg/2.7g	0.0803	
Δ9-THC per 2.7g	1.36		mg/2.7g	0.0857	
exo-THC per 2.7g	< LOQ		mg/2.7g	0.0803	
THC-A per 2.7g	< LOQ		mg/2.7g	0.0803	
THC-Total per 2.7g	1.36		mg/2.7g	0.161	
THCV per 2.7g	< LOQ		mg/2.7g	0.0803	
THCV-A per 2.7g	< LOQ		mg/2.7g	0.0803	
THCV-Total per 2.7g	< LOQ		mg/2.7g	0.151	
Total Cannabinoids per 2.7g	38.9		mg/2.7g		



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Potency per 81g Method: J AOAC 2015 V98-6 (mod) ^b Units mg/se Batch: 2209356 Analyze: 11/1/22 4:37:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 81g	35.6		mg/81g	2.57	
CBC-A per 81g	< LOQ		mg/81g	2.41	
CBC-Total per 81g	35.6		mg/81g	4.83	
CBD per 81g	1020		mg/81g	25.7	
CBD-A per 81g	26.6		mg/81g	2.57	
CBD-Total per 81g	1040		mg/81g	28.0	
CBDV per 81g	4.03		mg/81g	2.57	
CBDV-A per 81g	< LOQ		mg/81g	2.41	
CBDV-Total per 81g	< LOQ		mg/81g	4.80	
CBE per 81g	< LOQ		mg/81g	2.41	
CBG per 81g	16.3		mg/81g	2.57	
CBG-A per 81g	< LOQ		mg/81g	2.41	
CBG-Total per 81g	16.3		mg/81g	4.80	
CBL per 81g	< LOQ		mg/81g	2.41	
CBL-A per 81g	< LOQ		mg/81g	2.41	
CBL-Total per 81g	< LOQ		mg/81g	4.53	
CBN per 81g	3.39		mg/81g	2.57	
CBT per 81g	19.1		mg/81g	2.57	
Δ8-THCV per 81g	< LOQ		mg/81g	2.41	
Δ10-THC per 81g	< LOQ		mg/81g	2.41	
Δ8-THC per 81g	< LOQ		mg/81g	2.41	
Δ9-THC per 81g	40.7		mg/81g	2.57	
exo-THC per 81g	< LOQ		mg/81g	2.41	
THC-A per 81g	< LOQ		mg/81g	2.41	
THC-Total per 81g	40.7		mg/81g	4.83	
THCV per 81g	< LOQ		mg/81g	2.41	
THCV-A per 81g	< LOQ		mg/81g	2.41	
THCV-Total per 81g	< LOQ		mg/81g	4.53	
Total Cannabinoids per 81g	1170		mg/81g		



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Solvents						Method: Residual Solvents by GC/MS ^b						Units µg/g		Batch 2209454		Analyze 11/03/22 02:23 PM					
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes										
2-Methylbutane (Isopentane)	< LOQ	1000	200	pass		2-Methylpentane	< LOQ	60.0	30.0	pass											
2-Propanol (IPA) [¥]	< LOQ	1000	200	pass		2,2-Dimethylbutane	< LOQ	6.00	30.0	pass											
2,2-Dimethylpropane (neo-pentane)	< LOQ	1000	200	pass		2,3-Dimethylbutane	< LOQ	60.0	30.0	pass											
3-Methylpentane	< LOQ	60.0	30.0	pass		Acetone [¥]	< LOQ	1000	200	pass											
Benzene [¥]	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	1000	400	pass											
Ethanol [¥]	< LOQ	1000	200	pass		Ethyl acetate [¥]	< LOQ	1000	200	pass											
Hexanes (sum)	< LOQ	60.0	150	pass		m,p-Xylene	< LOQ	430	200	pass											
Methanol [¥]	< LOQ	600	200	pass		Methylpropane (Isobutane)	< LOQ	1000	200	pass											
n-Butane [¥]	< LOQ	1000	200	pass		n-Heptane [¥]	< LOQ	1000	200	pass											
n-Hexane [¥]	< LOQ	60.0	30.0	pass		n-Pentane [¥]	< LOQ	1000	200	pass											
o-Xylene	< LOQ	430	200	pass		Pentanes (sum)	< LOQ	1000	600	pass											
Propane [¥]	< LOQ	1000	200	pass		Toluene [¥]	< LOQ	180	100	pass											
Total Xylenes [¥]	< LOQ	430	400	pass																	



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Pesticides		Method: AOAC 2007.01 & EN 15662 (mod)				Units mg/kg	Batch 2209415	Analyze 11/02/22 03:26 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.25	0.070	pass		Acephate	< LOQ	0.050	0.020	pass	
Acequinocyl	< LOQ	0.030	0.025	pass		Acetamiprid	< LOQ	0.050	0.050	pass	
Aldicarb	< LOQ	0.50	0.100	pass		Allethrin	< LOQ	0.10	0.100	pass	
Atrazine	< LOQ	0.0250	0.025	pass		Azadirachtin	< LOQ	1.0	0.500	pass	
Azoxystrobin	< LOQ	0.010	0.010	pass		Benzovindiflupyr	< LOQ	0.010	0.010	pass	
Bifenazate	< LOQ	0.010	0.010	pass		Bifenthrin	< LOQ	1.0	0.100	pass	
Boscalid	< LOQ	0.010	0.010	pass		Buprofezin	< LOQ	0.020	0.010	pass	
Carbaryl	< LOQ	0.025	0.025	pass		Carbofuran	< LOQ	0.010	0.010	pass	
Chlorantraniliprole	< LOQ	0.020	0.010	pass		Chlorfenapyr	< LOQ	1.5	0.100	pass	
Chlorpyrifos	< LOQ	0.50	0.010	pass		Clofentezine	< LOQ	0.010	0.010	pass	
Clothianidin	< LOQ	0.025	0.025	pass		Coumaphos	< LOQ	0.010	0.010	pass	
Cyantraniliprole	< LOQ	0.010	0.010	pass		Cyfluthrin	< LOQ	0.20	0.200	pass	
Cyhalothrin,lambda	< LOQ	0.0200	0.250	pass		Cypermethrin	< LOQ	0.30	0.300	pass	
Cyprodinil	< LOQ	0.010	0.010	pass		Daminozide	< LOQ	0.10	0.050	pass	
Deltamethrin	< LOQ	0.50	0.500	pass		Diazinon	< LOQ	0.020	0.010	pass	
Dichlorvos	< LOQ	0.050	0.050	pass		Dimethoate	< LOQ	0.010	0.010	pass	
Dimethomorph	< LOQ	0.050	0.050	pass		Dinotefuran	< LOQ	0.050	0.050	pass	
Diuron	< LOQ	0.125	0.125	pass		Dodemorph	< LOQ	0.050	0.050	pass	
Endosulfan I (alpha)	< LOQ	2.5	0.050	pass		Endosulfan II (beta)	< LOQ	2.5	0.050	pass	
Endosulfan sulfate	< LOQ	2.5	0.050	pass		Ethoprophos	< LOQ	0.010	0.010	pass	
Etofenprox	< LOQ	0.050	0.010	pass		Etoxazole	< LOQ	0.020	0.010	pass	
Etridiazole	< LOQ	0.15	0.050	pass		Fenhexamid	< LOQ	0.13	0.100	pass	
Fenoxycarb	< LOQ	0.010	0.010	pass		Fenpyroximate	< LOQ	0.020	0.020	pass	
Fensulfothion	< LOQ	0.010	0.010	pass		Fenthion	< LOQ	0.010	0.010	pass	
Fenvalerate	< LOQ		0.200			Fipronil	< LOQ	0.010	0.010	pass	
Flonicamid	< LOQ	0.025	0.025	pass		Fludioxonil	< LOQ	0.010	0.010	pass	
Fluopyram	< LOQ	0.010	0.010	pass		Hexythiazox	< LOQ	0.010	0.010	pass	
Imazalil	< LOQ	0.010	0.010	pass		Imidacloprid	< LOQ	0.010	0.010	pass	
Iprodione	< LOQ	0.50	0.500	pass		Kinoprene	< LOQ	1.3	0.200	pass	
Kresoxim-methyl	< LOQ	0.15	0.010	pass		Malathion	< LOQ	0.010	0.010	pass	
Metalaxyl	< LOQ	0.010	0.010	pass		Methiocarb	< LOQ	0.010	0.010	pass	
Methomyl	< LOQ	0.025	0.025	pass		Methoprene	< LOQ	2.0	1.00	pass	
Mevinphos	< LOQ	0.025	0.025	pass		MGK-264	< LOQ	0.050	0.050	pass	
Myclobutanil	< LOQ	0.010	0.010	pass		Naled	< LOQ	0.10	0.100	pass	
Novaluron	< LOQ	0.025	0.025	pass		Oxamyl	< LOQ	1.5	0.500	pass	
Paclobutrazole	< LOQ	0.010	0.010	pass		Parathion-Methyl	< LOQ	0.050	0.030	pass	
Permethrin	< LOQ	0.50	0.040	pass		Phenothrin	< LOQ	0.050	0.025	pass	
Phosmet	< LOQ	0.020	0.010	pass		Piperonyl butoxide	< LOQ	1.3	0.200	pass	
Pirimicarb	< LOQ	0.010	0.010	pass		Prallethrin	< LOQ	0.050	0.050	pass	
Propiconazole	< LOQ	0.10	0.010	pass		Propoxur	< LOQ	0.010	0.010	pass	
Pyraclostrobin	< LOQ	0.010	0.010	pass		Pyrethrins (total)	< LOQ	0.050	0.025	pass	
Pyridaben	< LOQ	0.020	0.020	pass		Pyriproxyfen	< LOQ	0.0100	0.010	pass	
Quintozene	< LOQ	0.020	0.020	pass		Resmethrin	< LOQ	0.050	0.020	pass	
Spinetoram	< LOQ	0.010	0.010	pass		Spinosad	< LOQ	0.010	0.010	pass	
Spirodiclofen	< LOQ	0.25	0.250	pass		Spiromesifen	< LOQ	3.0	0.030	pass	
Spirotetramat	< LOQ	0.010	0.010	pass		Spiroxamine	< LOQ	0.10	0.010	pass	



Pesticides					Method: AOAC 2007.01 & EN 15662 (mod)	Units mg/kg	Batch 2209415	Analyze 11/02/22 03:26 PM
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits LOQ Status Notes
Tebuconazole	< LOQ	0.010	0.010	pass		Tebufenozide	< LOQ	0.010 0.010 pass
Teflubenzuron	< LOQ	0.025	0.025	pass		Tetrachlorvinphos	< LOQ	0.010 0.010 pass
Tetramethrin	< LOQ	0.10	0.050	pass		Thiacloprid	< LOQ	0.010 0.010 pass
Thiamethoxam	< LOQ	0.010	0.010	pass		Thiophanate-Methyl	< LOQ	0.050 0.030 pass
Trifloxystrobin	< LOQ	0.010	0.010	pass				

Terpenes					Method: J AOAC 2015 V98-6	Units %	Batch 2209478	Analyze 11/02/22 06:07 PM
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total Notes
Geraniol	< LOQ	0.019	0.00%		farnesene	< LOQ	0.019	0.00%
(-)-Guaiol	< LOQ	0.019	0.00%		(+)-Cedrol	< LOQ	0.019	0.00%
Sabinene hydrate	< LOQ	0.019	0.00%		valencene	< LOQ	0.019	0.00%
Geranyl acetate	< LOQ	0.019	0.00%		(±)-cis-Nerolidol	< LOQ	0.019	0.00%
a-Bisabolol	< LOQ	0.019	0.00%		(-)-a-Terpineol	< LOQ	0.019	0.00%
(-)-caryophyllene oxide	< LOQ	0.019	0.00%		(-)-Isopulegol	< LOQ	0.019	0.00%
(-)-β-Pinene	< LOQ	0.019	0.00%		(+)-Borneol	< LOQ	0.019	0.00%
(+)-fenchol	< LOQ	0.019	0.00%		(+)-Pulegone	< LOQ	0.019	0.00%
(±)-Camphor	< LOQ	0.019	0.00%		(±)-fenchone	< LOQ	0.019	0.00%
(±)-trans-Nerolidol	< 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%		Eucalyptol	< LOQ	0.019	0.00%
gamma-Terpinene	< LOQ	0.019	0.00%		Humulene	< LOQ	0.019	0.00%
Isoborneol	< LOQ	0.019	0.00%		Linalool	< LOQ	0.019	0.00%
Menthol	< LOQ	0.019	0.00%		nerol	< LOQ	0.019	0.00%
p-Cymene	< LOQ	0.019	0.00%		Sabinene	< LOQ	0.019	0.00%
β-Caryophyllene	< LOQ	0.019	0.00%		β-Myrcene	< LOQ	0.019	0.00%
Terpinolene	< LOQ	0.019	0.00%		trans-β-Ocimene	< LOQ	0.012	0.00%
Total Terpenes	< LOQ							

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes
Arsenic	< LOQ	1.50	mg/kg	0.0803	2209388	11/01/22	AOAC 2013.06 (mod.) ^b	pass	
Cadmium	< LOQ	0.50	mg/kg	0.0803	2209388	11/01/22	AOAC 2013.06 (mod.) ^b	pass	
Lead	< LOQ	0.50	mg/kg	0.0803	2209388	11/01/22	AOAC 2013.06 (mod.) ^b	pass	
Mercury	< LOQ	1.50	mg/kg	0.0402	2209388	11/01/22	AOAC 2013.06 (mod.) ^b	pass	

Mycotoxins									
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes
Aflatoxin B2 ^y	< LOQ	5.00	µg/kg	5.00	2209436	11/03/22	AOAC 2007.01 & EN 15662 (mod) ^b	pass	
Aflatoxin B1 ^y	< LOQ	5.00	µg/kg	5.00	2209436	11/03/22	AOAC 2007.01 & EN 15662 (mod) ^b	pass	
Aflatoxin G1 ^y	< LOQ	5.00	µg/kg	5.00	2209436	11/03/22	AOAC 2007.01 & EN 15662 (mod) ^b	pass	
Aflatoxin G2 ^y	< LOQ	5.00	µg/kg	5.00	2209436	11/03/22	AOAC 2007.01 & EN 15662 (mod) ^b	pass	
Ochratoxin A ^y	< LOQ	5.00	µg/kg	5.00	2209436	11/03/22	AOAC 2007.01 & EN 15662 (mod) ^b	pass	



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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

♢ = ISO/IEC 17025:2017 accredited method.

¥ = TNI accredited analyte.

Units of Measure

g = g

µg/g = Microgram per gram

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

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

mg/2.7g = Milligram per 2.7g

mg/81g = Milligram per 81g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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