



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



Report Number: 22-013266/D012.R001
Report Date: 11/09/2022
ORELAP#: OR100028
Purchase Order:
Received: 10/28/22 13:10

This is an amended version of report# 22-013266/D012.R000.
Reason: Added lot number.

Customer: R&R
Product identity: R&R 2000mg Full Spectrum Cream - Lot 3500
Client/Metric ID: .
Laboratory ID: 22-013266-0004

Summary

Potency:

Analyte per 2.53g	Result	Limits	Units	Status	
CBC per 2.53g	2.49		mg/2.53g		CBD-Total per Serving Size 68.3 mg/2.53g
CBD per 2.53g	67.0		mg/2.53g		
CBD-A per 2.53g	1.46		mg/2.53g		THC-Total per Serving Size 2.83 mg/2.53g
CBDV per 2.53g	0.271		mg/2.53g		
CBG per 2.53g	0.982		mg/2.53g		CBD-Total per Serving Size 2050 mg/76g
CBN per 2.53g	0.234		mg/2.53g		
CBT per 2.53g	1.16		mg/2.53g		THC-Total per Serving Size 85.1 mg/76g
Δ9-THC per 2.53g	2.83		mg/2.53g		
Analyte per 76g	Result	Limits	Units	Status	(Reported in milligrams per serving)
CBC per 76g	74.9		mg/76g		
CBD per 76g	2010		mg/76g		
CBD-A per 76g	43.8		mg/76g		
CBDV per 76g	8.13		mg/76g		
CBG per 76g	29.5		mg/76g		
CBN per 76g	7.04		mg/76g		
CBT per 76g	34.9		mg/76g		
Δ9-THC per 76g	85.1		mg/76g		

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.



Customer: R&R
United States of America (USA)

Product identity: R&R 2000mg Full Spectrum Cream - Lot 3500

Client/Metric ID: .

Sample Date:

Laboratory ID: 22-013266-0004

Evidence of Cooling: No

Temp: 18.8 °C

Relinquished by: usps

Serving Size #1: 2.53 g

Serving Size #2: 76 g



Sample Results

Potency per 2.53g		Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se Batch: 2209356		Analyze: 11/1/22 5:07:00 AM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 2.53g	2.49		mg/2.53g	0.0807		
CBC-A per 2.53g	< LOQ		mg/2.53g	0.0807		
CBC-Total per 2.53g	2.49		mg/2.53g	0.152		
CBD per 2.53g	67.0		mg/2.53g	0.807		
CBD-A per 2.53g	1.46		mg/2.53g	0.0807		
CBD-Total per 2.53g	68.3		mg/2.53g	0.878		
CBDV per 2.53g	0.271		mg/2.53g	0.0807		
CBDV-A per 2.53g	< LOQ		mg/2.53g	0.0807		
CBDV-Total per 2.53g	0.271		mg/2.53g	0.151		
CBE per 2.53g	< LOQ		mg/2.53g	0.0807		
CBG per 2.53g	0.982		mg/2.53g	0.0807		
CBG-A per 2.53g	< LOQ		mg/2.53g	0.0807		
CBG-Total per 2.53g	0.982		mg/2.53g	0.151		
CBL per 2.53g	< LOQ		mg/2.53g	0.0807		
CBL-A per 2.53g	< LOQ		mg/2.53g	0.0807		
CBL-Total per 2.53g	< LOQ		mg/2.53g	0.152		
CBN per 2.53g	0.234		mg/2.53g	0.0807		
CBT per 2.53g	1.16		mg/2.53g	0.0807		
Δ8-THCV per 2.53g	< LOQ		mg/2.53g	0.0807		
Δ10-THC per 2.53g	< LOQ		mg/2.53g	0.0807		
Δ8-THC per 2.53g	< LOQ		mg/2.53g	0.0807		
Δ9-THC per 2.53g	2.83		mg/2.53g	0.0807		
exo-THC per 2.53g	< LOQ		mg/2.53g	0.0807		
THC-A per 2.53g	< LOQ		mg/2.53g	0.0807		
THC-Total per 2.53g	2.83		mg/2.53g	0.152		
THCV per 2.53g	< LOQ		mg/2.53g	0.0807		
THCV-A per 2.53g	< LOQ		mg/2.53g	0.0807		
THCV-Total per 2.53g	< LOQ		mg/2.53g	0.152		
Total Cannabinoids per 2.53g	76.5		mg/2.53g			



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Potency per 76g **Method:** J AOAC 2015 V98-6 (mod)^b **Units** mg/se **Batch:** 2209356 **Analyze:** 11/1/22 5:07:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 76g	74.9		mg/76g	2.43	
CBC-A per 76g	< LOQ		mg/76g	2.43	
CBC-Total per 76g	74.9		mg/76g	4.55	
CBD per 76g	2010		mg/76g	24.3	
CBD-A per 76g	43.8		mg/76g	2.43	
CBD-Total per 76g	2050		mg/76g	26.4	
CBDV per 76g	8.13		mg/76g	2.43	
CBDV-A per 76g	< LOQ		mg/76g	2.43	
CBDV-Total per 76g	8.13		mg/76g	4.53	
CBE per 76g	< LOQ		mg/76g	2.43	
CBG per 76g	29.5		mg/76g	2.43	
CBG-A per 76g	< LOQ		mg/76g	2.43	
CBG-Total per 76g	29.5		mg/76g	4.53	
CBL per 76g	< LOQ		mg/76g	2.43	
CBL-A per 76g	< LOQ		mg/76g	2.43	
CBL-Total per 76g	< LOQ		mg/76g	4.55	
CBN per 76g	7.04		mg/76g	2.43	
CBT per 76g	34.9		mg/76g	2.43	
Δ8-THCV per 76g	< LOQ		mg/76g	2.43	
Δ10-THC per 76g	< LOQ		mg/76g	2.43	
Δ8-THC per 76g	< LOQ		mg/76g	2.43	
Δ9-THC per 76g	85.1		mg/76g	2.43	
exo-THC per 76g	< LOQ		mg/76g	2.43	
THC-A per 76g	< LOQ		mg/76g	2.43	
THC-Total per 76g	85.1		mg/76g	4.55	
THCV per 76g	< LOQ		mg/76g	2.43	
THCV-A per 76g	< LOQ		mg/76g	2.43	
THCV-Total per 76g	< LOQ		mg/76g	4.55	
Total Cannabinoids per 76g	2300		mg/76g		



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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		200			2-Methylpentane	< LOQ		30.0		
2-Propanol (IPA) [‡]	< LOQ		200			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		200		
Benzene [‡]	< LOQ		1.00			Butanes (sum)	< LOQ		400		
Ethanol [‡]	< LOQ		200			Ethyl acetate [‡]	< LOQ		200		
Hexanes (sum)	< LOQ		150			m,p-Xylene	< LOQ		200		
Methanol [‡]	< LOQ		200			Methylpropane (Isobutane)	< LOQ		200		
n-Butane [‡]	< LOQ		200			n-Heptane [‡]	< LOQ		200		
n-Hexane [‡]	< LOQ		30.0			n-Pentane [‡]	< LOQ		200		
o-Xylene	< LOQ		200			Pentanes (sum)	< LOQ		600		
Propane [‡]	< LOQ		200			Toluene [‡]	< LOQ		100		
Total Xylenes [‡]	< LOQ		400								



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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		0.070			Acephate	< LOQ		0.020		
Acequinocyl	< LOQ		0.025			Acetamiprid	< LOQ		0.050		
Aldicarb	< LOQ		0.100			Allethrin	< LOQ		0.100		
Atrazine	< LOQ		0.025			Azadirachtin	< LOQ		0.500		
Azoxystrobin	< LOQ		0.010			Benzovindiflupyr	< LOQ		0.010		
Bifenazate	< LOQ		0.010			Bifenthrin	< LOQ		0.100		
Boscalid	< LOQ		0.010			Buprofezin	< 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		
Clothianidin	< LOQ		0.025			Coumaphos	< LOQ		0.010		
Cyantraniliprole	< LOQ		0.010			Cyfluthrin	< LOQ		0.200		
Cyhalothrin,lambda	< LOQ		0.250			Cypermethrin	< LOQ		0.300		
Cyprodinil	< LOQ		0.010			Daminozide	< LOQ		0.050		
Deltamethrin	< LOQ		0.500			Diazinon	< LOQ		0.010		
Dichlorvos	< LOQ		0.050			Dimethoate	< LOQ		0.010		
Dimethomorph	< LOQ		0.050			Dinotefuran	< LOQ		0.050		
Diuron	< LOQ		0.125			Dodemorph	< LOQ		0.050		
Endosulfan I (alpha)	< LOQ		0.050			Endosulfan II (beta)	< LOQ		0.050		
Endosulfan sulfate	< LOQ		0.050			Ethoprophos	< LOQ		0.010		
Etofenprox	< LOQ		0.010			Etoxazole	< LOQ		0.010		
Etridiazole	< LOQ		0.050			Fenhexamid	< LOQ		0.100		
Fenoxycarb	< LOQ		0.010			Fenpyroximate	< LOQ		0.020		
Fensulfothion	< LOQ		0.010			Fenthion	< LOQ		0.010		
Fenvalerate	< LOQ		0.200			Fipronil	< LOQ		0.010		
Flonicamid	< LOQ		0.025			Fludioxonil	< LOQ		0.010		
Fluopyram	< LOQ		0.010			Hexythiazox	< LOQ		0.010		
Imazalil	< LOQ		0.010			Imidacloprid	< LOQ		0.010		
Iprodione	< LOQ		0.500			Kinoprene	< LOQ		0.200		
Kresoxim-methyl	< LOQ		0.010			Malathion	< LOQ		0.010		
Metalaxyl	< LOQ		0.010			Methiocarb	< LOQ		0.010		
Methomyl	< LOQ		0.025			Methoprene	< LOQ		1.00		
Mevinphos	< LOQ		0.025			MGK-264	< LOQ		0.050		
Myclobutanil	< LOQ		0.010			Naled	< LOQ		0.100		
Novaluron	< LOQ		0.025			Oxamyl	< LOQ		0.500		
Paclobutrazole	< LOQ		0.010			Parathion-Methyl	< LOQ		0.030		
Permethrin	< LOQ		0.040			Phenothrin	< LOQ		0.025		
Phosmet	< LOQ		0.010			Piperonyl butoxide	< LOQ		0.200		
Pirimicarb	< LOQ		0.010			Prallethrin	< LOQ		0.050		
Propiconazole	< LOQ		0.010			Propoxur	< LOQ		0.010		
Pyraclostrobin	< LOQ		0.010			Pyrethrins (total)	< LOQ		0.025		
Pyridaben	< LOQ		0.020			Pyriproxyfen	< LOQ		0.010		
Quintozene	< LOQ		0.020			Resmethrin	< LOQ		0.020		
Spinetoram	< LOQ		0.010			Spinosad	< LOQ		0.010		
Spirodiclofen	< LOQ		0.250			Spiromesifen	< LOQ		0.030		
Spirotetramat	< LOQ		0.010			Spiroxamine	< LOQ		0.010		



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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				
Tebuconazole	< LOQ		0.010			Tebufenozide	< LOQ		0.010						
Teflubenzuron	< LOQ		0.025			Tetrachlorvinphos	< LOQ		0.010						
Tetramethrin	< LOQ		0.050			Thiacloprid	< LOQ		0.010						
Thiamethoxam	< LOQ		0.010			Thiophanate-Methyl	< LOQ		0.030						
Trifloxystrobin	< LOQ		0.010												

Terpenes					Method: J AOAC 2015 V98-6					Units %		Batch 2209478		Analyze 11/02/22 06:55 PM	
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes						
farnesene	< LOQ	0.019	0.00%		Geraniol	< LOQ	0.019	0.00%							
Sabinene hydrate	< LOQ	0.019	0.00%		gamma-Terpinene	< LOQ	0.019	0.00%							
valencene	< LOQ	0.019	0.00%		a-Bisabolol	< LOQ	0.019	0.00%							
(+)-fenchol	< LOQ	0.019	0.00%		(±)-cis-Nerolidol	< LOQ	0.019	0.00%							
(-)-Guaiol	< LOQ	0.019	0.00%		(+)-Cedrol	< LOQ	0.019	0.00%							
Linalool	< 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%							
(+)-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%		Geranyl acetate	< LOQ	0.019	0.00%							
Humulene	< LOQ	0.019	0.00%		Isoborneol	< 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		mg/kg	0.0933	2209388	11/01/22 AOAC 2013.06 (mod.) ^p			
Cadmium	< LOQ		mg/kg	0.0933	2209388	11/01/22 AOAC 2013.06 (mod.) ^p			
Lead	< LOQ		mg/kg	0.0933	2209388	11/01/22 AOAC 2013.06 (mod.) ^p			
Mercury	< LOQ		mg/kg	0.0467	2209388	11/01/22 AOAC 2013.06 (mod.) ^p			

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



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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.

Ⓟ = 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/2.53g = Milligram per 2.53g

mg/76g = Milligram per 76g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Report Number: 22-015627/D011.R000
Report Date: 01/09/2023
ORELAP#: OR100028
Purchase Order:
Received: 12/21/22 12:49

Customer: R&R
Product identity: R&R 2000mg Full Spectrum Cream - Lot 3500
Client/Metric ID: .
Laboratory ID: 22-015627-0003

Summary

Microbiology:

Less than LOQ for all analytes.



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Received: 12/21/22 12:49

Customer: R&R
 United States of America (USA)
Product identity: R&R 2000mg Full Spectrum Cream - Lot 3500
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-015627-0003
Evidence of Cooling: No
Temp: 15.3 °C
Relinquished by: USPS



Sample Results

Microbiology							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
Aerobic Plate Count	< LOQ	10,000	cfu/g	10	2210921	12/30/22 AOAC 990.12 (Petrifilm)	pass
E.coli	< LOQ	100.00	cfu/g	10	2210918	12/30/22 AOAC 991.14 (Petrifilm)	pass
Total Coliforms	< LOQ	100.00	cfu/g	10	2210918	12/30/22 AOAC 991.14 (Petrifilm)	pass
Mold (RAPID Petrifilm)	< LOQ	1,000.	cfu/g	10	2210919	12/30/22 AOAC 2014.05 (RAPID)	pass
Yeast (RAPID Petrifilm)	< LOQ	1,000.	cfu/g	10	2210919	12/30/22 AOAC 2014.05 (RAPID)	pass
Salmonella spp. by PCR	Negative		/25g		2210923	12/29/22 AOAC 2020.02	
EHEC including STEC	Negative		/25g		2210926	12/29/22 AOAC RI 121806	



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Received: 12/21/22 12:49

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

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager