



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



Report Number: 22-010284/D003.R001
Report Date: 09/07/2022
ORELAP#: OR100028
Purchase Order:
Received: 08/29/22 09:47

This is an amended version of report# 22-010284/D003.R000.
Reason: Updated report format.

Customer: R&R
Product identity: R&R Full Spectrum 5mg CBD Dog Chews - 60 ct
Client/Metric ID: Lot:6003 850005735120
Laboratory ID: 22-010284-0001

Summary

Potency:

Analyte per 2.32g	Result	Limits	Units	Status	
CBC per 2.32g	0.214		mg/2.32g		CBD-Total per Serving Size 5.01 mg/2.32g
CBD per 2.32g	5.01		mg/2.32g		
CBG per 2.32g	0.130		mg/2.32g		THC-Total per Serving Size 0.224 mg/2.32g
Δ9-THC per 2.32g	0.224		mg/2.32g		
Analyte per 139.2g	Result	Limits	Units	Status	
CBC per 139.2g	12.9		mg/139.2g		CBD-Total per Serving Size 301 mg/139.2g
CBD per 139.2g	301		mg/139.2g		
CBG per 139.2g	7.81		mg/139.2g		THC-Total per Serving Size 13.4 mg/139.2g
Δ9-THC per 139.2g	13.4		mg/139.2g		(Reported in milligrams per serving)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

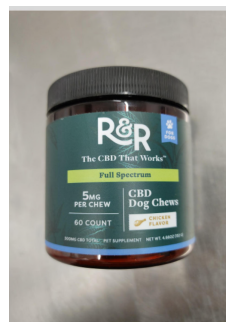
Less than LOQ for all analytes.

Metals:

Analyte	Result	Units	Limit	Status	Analyte	Result	Units	Limit	Status
Cadmium	0.0766	mg/kg	0.50	pass	Arsenic	0.0499	mg/kg	1.50	pass
Lead	0.0404	mg/kg	0.50	pass					



Customer: R&R
 United States of America (USA)
Product identity: R&R Full Spectrum 5mg CBD Dog Chews - 60 ct
Client/Metric ID: Lot:6003 850005735120
Sample Date:
Laboratory ID: 22-010284-0001
Evidence of Cooling: No
Temp: 21.7 °C
Relinquished by: USPS
Serving Size #1: 2.32 g
Serving Size #2: 139.2 g



Sample Results

Potency per 2.32g		Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se Batch: 2207355		Analyze: 8/30/22 11:29:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 2.32g	0.214		mg/2.32g	0.0742		
CBC-A per 2.32g	< LOQ		mg/2.32g	0.0703		
CBC-Total per 2.32g	0.214		mg/2.32g	0.139		
CBD per 2.32g	5.01		mg/2.32g	0.0742		
CBD-A per 2.32g	< LOQ		mg/2.32g	0.0703		
CBD-Total per 2.32g	5.01		mg/2.32g	0.139		
CBDV per 2.32g	< LOQ		mg/2.32g	0.0703		
CBDV-A per 2.32g	< LOQ		mg/2.32g	0.0703		
CBDV-Total per 2.32g	< LOQ		mg/2.32g	0.131		
CBE per 2.32g	< LOQ		mg/2.32g	0.0703		
CBG per 2.32g	0.130		mg/2.32g	0.0742		
CBG-A per 2.32g	< LOQ		mg/2.32g	0.0703		
CBG-Total per 2.32g	< LOQ		mg/2.32g	0.138		
CBL per 2.32g	< LOQ		mg/2.32g	0.0703		
CBL-A per 2.32g	< LOQ		mg/2.32g	0.0703		
CBL-Total per 2.32g	< LOQ		mg/2.32g	0.132		
CBN per 2.32g	< LOQ		mg/2.32g	0.0703		
CBT per 2.32g	< LOQ		mg/2.32g	0.0703		
Δ8-THCV per 2.32g	< LOQ		mg/2.32g	0.0703		
Δ8-THC per 2.32g	< LOQ		mg/2.32g	0.0703		
Δ9-THC per 2.32g	0.224		mg/2.32g	0.0742		
exo-THC per 2.32g	< LOQ		mg/2.32g	0.0703		
THC-A per 2.32g	< LOQ		mg/2.32g	0.0703		
THC-Total per 2.32g	0.224		mg/2.32g	0.139		
THCV per 2.32g	< LOQ		mg/2.32g	0.0703		
THCV-A per 2.32g	< LOQ		mg/2.32g	0.0703		
THCV-Total per 2.32g	< LOQ		mg/2.32g	0.132		
Total Cannabinoids per 2.32g	5.58		mg/2.32g			



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Potency per 139.2g **Method:** J AOAC 2015 V98-6 (mod)^b **Units mg/se** **Batch:** 2207355 **Analyze:** 8/30/22 11:29:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 139.2g	12.9		mg/139.2g	4.45	
CBC-A per 139.2g	< LOQ		mg/139.2g	4.22	
CBC-Total per 139.2g	12.9		mg/139.2g	8.35	
CBD per 139.2g	301		mg/139.2g	4.45	
CBD-A per 139.2g	< LOQ		mg/139.2g	4.22	
CBD-Total per 139.2g	301		mg/139.2g	8.35	
CBDV per 139.2g	< LOQ		mg/139.2g	4.22	
CBDV-A per 139.2g	< LOQ		mg/139.2g	4.22	
CBDV-Total per 139.2g	< LOQ		mg/139.2g	7.88	
CBE per 139.2g	< LOQ		mg/139.2g	4.22	
CBG per 139.2g	7.81		mg/139.2g	4.45	
CBG-A per 139.2g	< LOQ		mg/139.2g	4.22	
CBG-Total per 139.2g	< LOQ		mg/139.2g	8.31	
CBL per 139.2g	< LOQ		mg/139.2g	4.22	
CBL-A per 139.2g	< LOQ		mg/139.2g	4.22	
CBL-Total per 139.2g	< LOQ		mg/139.2g	7.92	
CBN per 139.2g	< LOQ		mg/139.2g	4.22	
CBT per 139.2g	< LOQ		mg/139.2g	4.22	
Δ8-THCV per 139.2g	< LOQ		mg/139.2g	4.22	
Δ8-THC per 139.2g	< LOQ		mg/139.2g	4.22	
Δ9-THC per 139.2g	13.4		mg/139.2g	4.45	
exo-THC per 139.2g	< LOQ		mg/139.2g	4.22	
THC-A per 139.2g	< LOQ		mg/139.2g	4.22	
THC-Total per 139.2g	13.4		mg/139.2g	8.35	
THCV per 139.2g	< LOQ		mg/139.2g	4.22	
THCV-A per 139.2g	< LOQ		mg/139.2g	4.22	
THCV-Total per 139.2g	< LOQ		mg/139.2g	7.92	
Total Cannabinoids per 139.2g	335		mg/139.2g		



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Solvents						Method: Residual Solvents by GC/MS ^b					Units µg/g		Batch 2207429		Analyze 09/02/22 12:00 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	60.0	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 2207409 Analyze 09/01/22 04:09 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		Acetamidrid	< 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		Etozazole	< 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	
Paclobotrazole	< 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 2207409	Analyze 09/01/22 04:09 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 2207367	Analyze 08/30/22 06:06 PM			
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes		
a-phellandrene	< LOQ	0.019	0.00%		a-Terpinene	< LOQ	0.019	0.00%			
nerol	< LOQ	0.019	0.00%		Geranyl acetate	< LOQ	0.019	0.00%			
(-)-a-Terpineol	< LOQ	0.019	0.00%		Menthol	< LOQ	0.019	0.00%			
p-Cymene	< LOQ	0.019	0.00%		(+)-Pulegone	< LOQ	0.019	0.00%			
Humulene	< LOQ	0.019	0.00%		β-Caryophyllene	< LOQ	0.019	0.00%			
a-cedrene	< LOQ	0.019	0.00%		Terpinolene	< LOQ	0.019	0.00%			
(-)-caryophyllene oxide	< LOQ	0.019	0.00%		Eucalyptol	< LOQ	0.019	0.00%			
(±)-fenchone	< LOQ	0.019	0.00%		valencene	< LOQ	0.019	0.00%			
a-Bisabolol	< 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%			
(+)-Cedrol	< LOQ	0.019	0.00%		d-3-Carene	< 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%			
(±)-Camphor	< LOQ	0.019	0.00%		(R)-(+)-Limonene	< LOQ	0.019	0.00%			
a-pinene	< LOQ	0.019	0.00%		Camphene	< LOQ	0.019	0.00%			
cis-β-Ocimene	< LOQ	0.006	0.00%		farnesene	< LOQ	0.019	0.00%			
gamma-Terpinene	< LOQ	0.019	0.00%		Geraniol	< LOQ	0.019	0.00%			
Isoborneol	< LOQ	0.019	0.00%		Linalool	< LOQ	0.019	0.00%			
Sabinene	< LOQ	0.019	0.00%		Sabinene hydrate	< LOQ	0.019	0.00%			
β-Myrcene	< LOQ	0.019	0.00%		trans-β-Ocimene	< LOQ	0.013	0.00%			
Total Terpenes	< LOQ										

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes	
Arsenic	0.0499	1.50	mg/kg	0.0178	2207351	08/30/22 AOAC 2013.06 (mod.) ^p	pass		
Cadmium	0.0766	0.50	mg/kg	0.0178	2207351	08/30/22 AOAC 2013.06 (mod.) ^p	pass		
Lead	0.0404	0.50	mg/kg	0.0178	2207351	08/30/22 AOAC 2013.06 (mod.) ^p	pass		
Mercury	< LOQ	1.50	mg/kg	0.00889	2207351	08/30/22 AOAC 2013.06 (mod.) ^p	pass		

Mycotoxins									
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes	
Aflatoxin B2 [‡]	< LOQ	5.00	µg/kg	5.00	2207415	09/02/22 AOAC 2007.01 & EN 15662 (mod) ^p	pass		
Aflatoxin B1 [‡]	< LOQ	5.00	µg/kg	5.00	2207415	09/02/22 AOAC 2007.01 & EN 15662 (mod) ^p	pass		
Aflatoxin G1 [‡]	< LOQ	5.00	µg/kg	5.00	2207415	09/02/22 AOAC 2007.01 & EN 15662 (mod) ^p	pass		
Aflatoxin G2 [‡]	< LOQ	5.00	µg/kg	5.00	2207415	09/02/22 AOAC 2007.01 & EN 15662 (mod) ^p	pass		
Ochratoxin A [‡]	< LOQ	5.00	µg/kg	5.00	2207415	09/02/22 AOAC 2007.01 & EN 15662 (mod) ^p	pass		



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/2.32g = Milligram per 2.32g

mg/139.2g = Milligram per 139.2g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory



Derrick Tanner
General Manager



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