



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



Report Number: 22-001221/D005.R001
Report Date: 02/18/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/02/22 11:37

This is an amended version of report# 22-001221/D005.R000.

Reason: Report includes a mycotoxin analysis.

Customer: R&R
Product identity: R&R 25mg Full-Spectrum CBD Infused Gummy
Client/Metric ID: R&R FS Gummy: 2404
Laboratory ID: 22-001221-0001

Summary

Potency:

Analyte per 8.3g	Result	Limits	Units	Status	
CBC per 8.3g†	0.235		mg/8.3g		CBD-Total per 8.3g 27.6 mg/8.3g
CBD per 8.3g	27.6		mg/8.3g		
CBDV per 8.3g†	0.212		mg/8.3g		THC-Total per 8.3g 0.161 mg/8.3g
Δ9-THC per 8.3g	0.161		mg/8.3g		(Reported in milligrams per serving)

Residual Solvents:

All analytes passing and less than LOQ.

Terpenes:

Less than LOQ for all analytes.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Customer: R&R
 United States of America (USA)
Product identity: R&R 25mg Full-Spectrum CBD Infused Gummy
Client/Metric ID: R&R FS Gummy: 2404
Sample Date:
Laboratory ID: 22-001221-0001
Evidence of Cooling: No
Temp: 20.1 °C
Relinquished by: UPS
Serving Size #1: 8.3 g

Sample Results

Potency per 8.3g		Method J AOAC 2015 V98-6 (mod)Units mg/se Batch: 2201052			Analyze: 2/7/22 12:59:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 8.3g [†]	0.235		mg/8.3g	0.0819	
CBC-A per 8.3g [†]	< LOQ		mg/8.3g	0.0859	
CBC-Total per 8.3g [†]	0.235		mg/8.3g	0.154	
CBD per 8.3g	27.6		mg/8.3g	0.819	
CBD-A per 8.3g	< LOQ		mg/8.3g	0.0859	
CBD-Total per 8.3g	27.6		mg/8.3g	0.891	
CBDV per 8.3g [†]	0.212		mg/8.3g	0.0819	
CBDV-A per 8.3g [†]	< LOQ		mg/8.3g	0.0859	
CBDV-Total per 8.3g [†]	0.212		mg/8.3g	0.153	
CBE per 8.3g [†]	< LOQ		mg/8.3g	0.0859	
CBG per 8.3g [†]	< LOQ		mg/8.3g	0.0859	
CBG-A per 8.3g [†]	< LOQ		mg/8.3g	0.0859	
CBG-Total per 8.3g [†]	< LOQ		mg/8.3g	0.160	
CBL per 8.3g [†]	< LOQ		mg/8.3g	0.0859	
CBL-A per 8.3g [†]	< LOQ		mg/8.3g	0.0859	
CBL-Total per 8.3g [†]	< LOQ		mg/8.3g	0.161	
CBN per 8.3g	< LOQ		mg/8.3g	0.0859	
CBT per 8.3g [†]	< LOQ		mg/8.3g	0.0859	
Δ8-THCV per 8.3g [†]	< LOQ		mg/8.3g	0.0859	
Δ8-THC per 8.3g [†]	< LOQ		mg/8.3g	0.0859	
Δ9-THC per 8.3g	0.161		mg/8.3g	0.0819	
exo-THC per 8.3g [†]	< LOQ		mg/8.3g	0.0859	
THC-A per 8.3g	< LOQ		mg/8.3g	0.0859	
THC-Total per 8.3g	0.161		mg/8.3g	0.154	
THCV per 8.3g [†]	< LOQ		mg/8.3g	0.0859	
THCV-A per 8.3g [†]	< LOQ		mg/8.3g	0.0859	
THCV-Total per 8.3g [†]	< LOQ		mg/8.3g	0.161	
Total Cannabinoids per 8.3g	28.2		mg/8.3g		



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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2200929	02/05/22	AOAC 990.12 (Petrifilm)		X
E.coli	< LOQ		cfu/g	10	2200927	02/05/22	AOAC 991.14 (Petrifilm)		X
Total Coliforms	< LOQ		cfu/g	10	2200927	02/05/22	AOAC 991.14 (Petrifilm)		X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2200928	02/06/22	AOAC 2014.05 (RAPID)		X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2200928	02/06/22	AOAC 2014.05 (RAPID)		X

Solvents Method Residual Solvents by GC/MS Units µg/g Batch 2201085 Analyze 02/08/22 10:55 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 (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
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	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	20.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methylpropane (Isobutane)	< 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 benzene	< LOQ	2170	600	pass	



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Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2201136	Analyze 02/09/22 09:30 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
β-Myrcene [†]	< LOQ	0.020	0.00%		Geraniol [†]	< LOQ	0.020	0.00%	
α-phellandrene [†]	< LOQ	0.020	0.00%		nerol [†]	< LOQ	0.020	0.00%	
valencene [†]	< LOQ	0.020	0.00%		trans-β-Ocimene [†]	< LOQ	0.013	0.00%	
α-Terpinene [†]	< LOQ	0.020	0.00%		Terpinolene [†]	< LOQ	0.020	0.00%	
p-Cymene [†]	< LOQ	0.020	0.00%		cis-β-Ocimene [†]	< LOQ	0.006	0.00%	
(R)-(+)-Limonene [†]	< LOQ	0.020	0.00%		Linalool [†]	< LOQ	0.020	0.00%	
Sabinene hydrate [†]	< LOQ	0.020	0.00%		Geranyl acetate [†]	< LOQ	0.020	0.00%	
γ-Terpinene [†]	< LOQ	0.020	0.00%		Sabinene [†]	< LOQ	0.020	0.00%	
(+)-Pulegone [†]	< LOQ	0.020	0.00%		d-3-Carene [†]	< LOQ	0.020	0.00%	
(±)-trans-Nerolidol [†]	< LOQ	0.020	0.00%		(±)-Camphor [†]	< LOQ	0.020	0.00%	
(±)-fenchone [†]	< LOQ	0.020	0.00%		(-)-α-Terpineol [†]	< LOQ	0.020	0.00%	
Menthol [†]	< LOQ	0.020	0.00%		(±)-cis-Nerolidol [†]	< LOQ	0.020	0.00%	
(-)-β-Pinene [†]	< LOQ	0.020	0.00%		Camphene [†]	< LOQ	0.020	0.00%	
Humulene [†]	< LOQ	0.020	0.00%		Eucalyptol [†]	< LOQ	0.020	0.00%	
(-)-caryophyllene oxide [†]	< LOQ	0.020	0.00%		(-)-Isopulegol [†]	< LOQ	0.020	0.00%	
(-)-Guaiol [†]	< LOQ	0.020	0.00%		(+)-Borneol [†]	< LOQ	0.020	0.00%	
(+)-Cedrol [†]	< LOQ	0.020	0.00%		(+)-fenchol [†]	< LOQ	0.020	0.00%	
α-Bisabolol [†]	< LOQ	0.020	0.00%		α-cedrene [†]	< LOQ	0.020	0.00%	
α-pinene [†]	< LOQ	0.020	0.00%		farnesene [†]	< LOQ	0.020	0.00%	
Isoborneol [†]	< LOQ	0.020	0.00%		β-Caryophyllene [†]	< LOQ	0.020	0.00%	
Total Terpenes	< LOQ								

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.1000	2201101	02/08/22	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.200	mg/kg	0.0133	2201101	02/08/22	AOAC 2013.06 (mod.)	pass	X
Lead	< LOQ	0.500	mg/kg	0.0133	2201101	02/08/22	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.100	mg/kg	0.00664	2201101	02/08/22	AOAC 2013.06 (mod.)	pass	X

Mycotoxins									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aflatoxin B2 [†]	< LOQ		µg/kg	5.00	2201428	02/18/22	AOAC 2007.01 & EN 15		
Aflatoxin B1 [†]	< LOQ		µg/kg	5.00	2201428	02/18/22	AOAC 2007.01 & EN 15		
Aflatoxin G1 [†]	< LOQ		µg/kg	5.00	2201428	02/18/22	AOAC 2007.01 & EN 15		
Aflatoxin G2 [†]	< LOQ		µg/kg	5.00	2201428	02/18/22	AOAC 2007.01 & EN 15		
Deoxynivalenol [†]	< LOQ		µg/kg	200	2201428	02/18/22	AOAC 2007.01 & EN 15		
Fumonisin B1 [†]	< LOQ		µg/kg	200	2201428	02/18/22	AOAC 2007.01 & EN 15		
Fumonisin B2 [†]	< LOQ		µg/kg	200	2201428	02/18/22	AOAC 2007.01 & EN 15		
HT2-Toxin [†]	< LOQ		µg/kg	40.0	2201428	02/18/22	AOAC 2007.01 & EN 15		
Nivalenol [†]	< LOQ		µg/kg	400	2201428	02/18/22	AOAC 2007.01 & EN 15		
Ochratoxin A [†]	< LOQ		µg/kg	5.00	2201428	02/18/22	AOAC 2007.01 & EN 15		
Ochratoxin B [†]	< LOQ		µg/kg	2.00	2201428	02/18/22	AOAC 2007.01 & EN 15		
T2-Toxin [†]	< LOQ		µg/kg	20.0	2201428	02/18/22	AOAC 2007.01 & EN 15		
Zearalenone [†]	< LOQ		µg/kg	200	2201428	02/18/22	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.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram

g = Gram

µg/g = Microgram per gram

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

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

mg/8.3g = Milligram per 8.3g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager