

Hemp Quality Assurance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 07/14/2023

SAMPLE NAME: R&R 5000mg Full Spectrum Cream Sample

Infused, Colorado Infused

CULTIVATOR / MANUFACTURER DISTRIBUTOR / TESTED FOR

Address:

Business Name: R&R CBD

License Number: License Number:

SAMPLE DETAIL

Address:

 Batch Number: 3900
 Date Collected: 04/13/2023

 Sample ID: 230413R003
 Date Received: 04/13/2023

Date of Sampling: 04/13/2023 Batch Size:

Time of Sampling: 3:30 p.m. Sample Size: 1.0 units

Sampler Name: Unit Mass: 74 grams per Unit

Sampler Company: Serving Size: 2.46 grams per Serving





Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 199.208 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

Total CBD: 5595.288 mg/unit Total CBD = CBD + (CBDa (0.877)) Total CBD = CBD + (CBDa (0.877))

 $Sum of \ Cannabinoids = \Delta^9 - THC + THCa + CBD + CBDa + CBGa + CBGa + CBCM +$

exo-THC + Δ^8 -THCV + Δ^8 -iso-THC + 9S-HHC + 9R-HHC + Δ^{10} -THC +

Total Cannabinoids: 6170.638 mg/unit

Total Cannabinoids = $(\Delta^9$ -THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) +

(CBDV+0.877*CBDVa) + Δ^8 -THC + CBL + CBN + exo-THC + Δ^8 -THCV + Δ^8 -iso-THC + 9S-HHC + 9R-HHC + Δ^{10} -THC + Δ^9 -THC Acetate

SAFETY ANALYSIS - SUMMARY

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: 6 CCR 1010-21 Colorado Wholesale Food, Industrial Hemp, and Shellfish Regulations; where applicable

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

Approved by: Josh Wurzer

Job Title: Chief Compliance Officer
Date: 07/14/2023



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R&R 5000MG FULL SPECTRUM CREAM SAMPLE | DATE ISSUED 07/14/2023



Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

†Analytes not part of our ISO/IEC 17025 scope of accreditation.

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD or QSP 34181 - Semisynthetic Cannabinoids Analysis by HPLC

TOTAL THC: 199.208 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 5595.288 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 6170.638 mg/unit

 $\begin{array}{l} Total \ Cannabinoids \ (Total \ THC) + (Total \ CBD) + \\ (Total \ CBG) + (Total \ THCV) + (Total \ CBC) + \\ (Total \ CBDV) + \Delta^8 - THC + CBL + CBN + exo-THC + \Delta^8 - THCV + \Delta^8 - THC + SP - THC + SP - THC + SP - THC + \Delta^{10} - \Delta^{10} - \Delta^{10} - \Delta^{10} -$

TOTAL CBG: 83.694 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 184.556 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 55.722 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 04/17/2023

	COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
	CBD	0.004 / 0.011	±2.7553	73.869	7.3869
	Δ^9 -THC	0.040 / 0.280	±0.1478	2.692	0.2692
	СВС	0.003 / 0.010	±0.0785	2.437	0.2437
	CBDa	0.001 / 0.026	±0.0565	1.988	0.1988
	CBG	0.002 / 0.006	±0.0549	1.131	0.1131
	CBDV	0.002/0.012	±0.0293	0.718	0.0718
Ī	CBN	0.001 / 0.007	±0.0165	0.575	0.0575
Ī	CBL	0.003 / 0.010	±0.0048	0.130	0.0130
	CBCa	0.001 / 0.015	±0.0025	0.065	0.0065
Ī	CBDVa	0.001 / 0.018	±0.0004	0.040	0.0040
Ī	Δ^8 -iso-THC †	0.025 / 0.084	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
	exo-THC [†]	0.028 / 0.093	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
t	Δ^8 -THC	0.01 / 0.02	N/A	ND	ND
	THCa	0.020 / 0.100	N/A	ND	ND
	THCV	0.002/0.012	N/A	ND	ND
Ī	THCVa	0.002/0.019	N/A	ND	ND
Ī	CBGa	0.002 / 0.007	N/A	ND	ND
	9R-HHC [†]	0.027 / 0.089	N/A	ND	ND
Ī	9S-HHC [†]	0.027 / 0.090	N/A	ND	ND
	Δ^{10} -THC †	0.024 / 0.078	N/A	ND	ND
	Δ^8 -THCV [†]	0.012/0.039	N/A	ND	ND
	Δ ⁹ -THC Acetate [†]	0.023 / 0.077	N/A	ND	ND
	Total THC		±0.1478	2.692	0.2692
-	SUM OF CANNAE	BINOIDS		83.645 mg/g	8.3645%

Unit Mass: 74 grams per Unit / Serving Size: 2.46 grams per Serving

Δ^9 -THC per Unit	199.208 mg/unit	
Δ^9 -THC per Serving	6.622 mg/serving	
Total THC per Unit	199.208 mg/unit	
Total THC per Serving	6.622 mg/serving	
CBD per Unit	5466.306 mg/unit	
CBD per Serving	181.718 mg/serving	
Total CBD per Unit	5595.288 mg/unit	
Total CBD per Serving	186.006 mg/serving	
Sum of Cannabinoids per Unit	6189.730 mg/unit	
Sum of Cannabinoids per Serving	205.767 mg/serving	
Total Cannabinoids per Unit	6170.638 mg/unit	
Total Cannabinoids per Serving	205.132 mg/serving	



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Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

Analysis conducted by $3M^{^{TM}}$ Petrifilm $^{^{TM}}$ and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with $3M^{TM}$ PetrifilmTM

MICROBIOLOGY TEST RESULTS (PCR) - 04/18/2023 PASS

COMPOUND	ACTION LIMIT	RESULT	RESULT
Shiga toxin-producing Escherichia coli	Not Detected in 1g	ND	PASS
Salmonella spp.	Not Detected in 1g	ND	PASS

MICROBIOLOGY TEST RESULTS (PLATING) - 04/18/2023 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Total Aerobic Bacteria	10000	ND	PASS
Total Yeast and Mold	1000	ND	PASS
Coliforms	100	ND	PASS

NOTES

CoA Amended Update: Order Details-Unit Mass Sample photograph provided by client.