



Certificate of Analysis

Powered by Confident Cannabis

Rare Cannabinoid Company

Sample: 2203DBL0173.1765.R2

PO Box 61242, Honolulu, HI, 96839
info@rarecannabinoidco.com
(808) 762-1313

METRC Sample:
Lot #: FM355_220226_TCT-CUS-HWC-280
Batch #: 4430

Strain: CBG Single Extract
Ordered: 03/19/2022; Sampled: 03/21/2022; Completed: 04/29/2022

Rare Cannabinoid Company – Defense – CBG Single Extract

Ingestible, Tincture, Other



Pesticides



Microbials



Mycotoxins



Heavy Metals



Foreign Matter



Solvents

Terpenes

Analyzed by 300.13 GC/FID and GC/MS

Compound	LOQ %	Mass %	Mass mg/g
<LOQ Total Terpenes			
α-Bisabolol	0.009	<LOQ	<LOQ
α-Humulene	0.009	<LOQ	<LOQ
α-Pinene	0.009	<LOQ	<LOQ
α-Terpinene	0.009	<LOQ	<LOQ
β-Caryophyllene	0.009	<LOQ	<LOQ
β-Myrcene	0.009	<LOQ	<LOQ
β-Pinene	0.009	<LOQ	<LOQ
Camphene	0.009	<LOQ	<LOQ
Caryophyllene Oxide	0.009	<LOQ	<LOQ
cis-Nerolidol	0.006	<LOQ	<LOQ
cis-Ocimene	0.006	<LOQ	<LOQ
δ-3-Carene	0.009	<LOQ	<LOQ
δ-Limonene	0.009	<LOQ	<LOQ
Eucalyptol	0.009	<LOQ	<LOQ
γ-Terpinene	0.009	<LOQ	<LOQ
Geraniol	0.009	<LOQ	<LOQ
Guaiol	0.009	<LOQ	<LOQ
Isopulegol	0.009	<LOQ	<LOQ
Linalool	0.009	<LOQ	<LOQ
p-Cymene	0.009	<LOQ	<LOQ
Terpinolene	0.009	<LOQ	<LOQ
trans-Nerolidol	0.003	<LOQ	<LOQ
trans-Ocimene	0.003	<LOQ	<LOQ

Cannabinoid Relative Concentration

Analyzed by 300.18 UHPLC/PDA

Compound	LOQ mg/unit	Mass mg/unit	Mass mg/g	Relative Concentration
<LOQ Δ9-THC + Δ8-THC				
<LOQ CBD				
517.573 mg/unit Total Cannabinoids				
CBC	1.372	<LOQ	<LOQ	
CBCa	1.372	<LOQ	<LOQ	
CBD	1.372	<LOQ	<LOQ	
CBDa	1.372	<LOQ	<LOQ	
CBDV	1.372	<LOQ	<LOQ	
CBDVa	1.372	<LOQ	<LOQ	
CBG	1.372	517.573	18.257	
CBGa	1.372	<LOQ	<LOQ	
CBL	1.372	<LOQ	<LOQ	
CBN	1.372	<LOQ	<LOQ	
Δ8-THC	1.372	<LOQ	<LOQ	
Δ9-THC	1.372	<LOQ	<LOQ	
THCa	1.372	<LOQ	<LOQ	
THCV	1.372	<LOQ	<LOQ	
THCVa	1.372	<LOQ	<LOQ	

1 Unit = Rare Cannabinoid Company – Defense – CBG Single Extract, 28.35g
Total THC = 0.877 x THC-A + Δ9-THC + Δ8-THC; Total CBD = CBDa * 0.877 + CBD

Not Tested

pH: NT
Aw: NT

Not Tested Homogeneity



rare
CANNABINOID
COMPANY

Notes: Updated unit weight. Added company address and batch ID.



Benjamin G.M. Chew, Ph.D.
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Laboratory Director

Glen Marquez
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Quality Control



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Ingestible, Tincture, Other



Pesticides

Pass

Analyzed by 300.9 LC/MS/MS and GC/MS/MS

Compound	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Abamectin	10	0	<LOQ	Pass
Acequinocyl	10	4000	<LOQ	Pass
Bifenazate	10	400	<LOQ	Pass
Bifenthrin	10	0	<LOQ	Pass
Cyfluthrin	10	2000	<LOQ	Pass
Cypermethrin	10	0	<LOQ	Pass
Daminozide	10	0	<LOQ	Pass
Dimethomorph	10	2000	<LOQ	Pass
Etozazole	10	400	<LOQ	Pass
Fenhexamid	10	1000	<LOQ	Pass
Flonicamid	10	1000	<LOQ	Pass
Fludioxonil	10	500	<LOQ	Pass
Imidacloprid	10	500	<LOQ	Pass
Myclobutanil	10	400	<LOQ	Pass
Pacllobutrazol	10	0	<LOQ	Pass
Piperonyl Butoxide	10	3000	<LOQ	Pass
Pyrethrins	10	2000	<LOQ	Pass
Quintozene	10	800	<LOQ	Pass
Spinetoram	10	1000	<LOQ	Pass
Spinosad	10	1000	<LOQ	Pass
Spirotetramat	10	1000	<LOQ	Pass
Thiamethoxam	10	400	<LOQ	Pass
Trifloxystrobin	10	1000	<LOQ	Pass
Plant Growth Regulators	10	50	<LOQ	Pass

Microbials

Pass

Analyzed by 300.1 Plating/QPCR

Quantitative Analysis	LOQ	Limit	Mass	Status
	CFU/g	CFU/g	CFU/g	
Aerobic Bacteria	900	100000	<LOQ	Pass
Bile-Tolerant Gram-Negative Bacteria	90	1000	<LOQ	Pass

Qualitative Analysis	Detected or Not Detected	Status
E. Coli	Not Detected	Pass
Salmonella	Not Detected	Pass

Mycotoxins

Pass

Analyzed by 300.2 Elisa

Mycotoxin	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Aflatoxins	4.0	20.0	<LOQ	Pass
Ochratoxin A	2.0	20.0	5.2	Pass

Heavy Metals

Pass

Analyzed by 300.8 ICP/MS

Element	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Arsenic	48	2000	<LOQ	Pass
Cadmium	48	820	<LOQ	Pass
Lead	48	1200	<LOQ	Pass
Mercury	48	400	<LOQ	Pass

Residual Solvents

Pass

Analyzed by 300.13 GC/FID and GC/MS

Compound	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Butanes	56	500	<LOQ	Pass
Ethanol	56		<LOQ	Tested
Heptanes	56	500	<LOQ	Pass
Propane	56	500	<LOQ	Pass



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