



# Certificate of Analysis

Powered by Confident Cannabis

Rare Cannabinoid Company

Sample: 2203DBL0181.1778 R1

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

METRC Sample:  
 Lot #: FM358\_220304\_TCT-CUS-HWC-282  
 Batch #: 4434

Strain: CBN Single Extract  
 Ordered: 03/21/2022; Sampled: 03/22/2022; Completed: 04/29/2022

## Rare Cannabinoid Company - CBN Single Extract (500mg)

Ingestible, Tincture, Other



Pesticides



Microbials



Mycotoxins



Heavy Metals



Foreign Matter



Solvents

### Terpenes

Analyzed by 300.13 GC/FID and GC/MS

Compound	LOQ mg/unit	Mass mg/unit	Mass mg/g
<LOQ Total Terpenes			
α-Bisabolol	2.546	<LOQ	<LOQ
α-Humulene	2.546	<LOQ	<LOQ
α-Pinene	2.546	<LOQ	<LOQ
α-Terpinene	2.546	<LOQ	<LOQ
β-Caryophyllene	2.546	<LOQ	<LOQ
β-Myrcene	2.546	<LOQ	<LOQ
β-Pinene	2.546	<LOQ	<LOQ
Camphene	2.546	<LOQ	<LOQ
Caryophyllene Oxide	2.546	<LOQ	<LOQ
cis-Nerolidol	1.655	<LOQ	<LOQ
cis-Ocimene	1.655	<LOQ	<LOQ
δ-3-Carene	2.546	<LOQ	<LOQ
δ-Limonene	2.546	<LOQ	<LOQ
Eucalyptol	2.546	<LOQ	<LOQ
γ-Terpinene	2.546	<LOQ	<LOQ
Geraniol	2.546	<LOQ	<LOQ
Guaiol	2.546	<LOQ	<LOQ
Isopulegol	2.546	<LOQ	<LOQ
Linalool	2.546	<LOQ	<LOQ
p-Cymene	2.546	<LOQ	<LOQ
Terpinolene	2.546	<LOQ	<LOQ
trans-Nerolidol	0.891	<LOQ	<LOQ
trans-Ocimene	0.891	<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				
4.164 mg/unit CBD				
506.054 mg/unit Total Cannabinoids				
CBC	1.624	<LOQ	<LOQ	
CBCa	1.624	<LOQ	<LOQ	
CBD	1.624	4.164	0.147	
CBDa	1.624	<LOQ	<LOQ	
CBDV	1.624	<LOQ	<LOQ	
CBDVa	1.624	<LOQ	<LOQ	
CBG	1.624	1.668	0.059	
CBGa	1.624	<LOQ	<LOQ	
CBL	1.624	<LOQ	<LOQ	
CBN	1.624	500.221	17.644	
Δ8-THC	1.624	<LOQ	<LOQ	
Δ9-THC	1.624	<LOQ	<LOQ	
THCa	1.624	<LOQ	<LOQ	
THCV	1.624	<LOQ	<LOQ	
THCVa	1.624	<LOQ	<LOQ	

1 Unit = Rare Cannabinoid Company - CBN Single Extract (500mg), 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.*  
 Benjamin G.M. Chew, Ph.D.  
 Laboratory Director

*Glen Marquez*  
 Glen Marquez  
 Quality Control

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Ingestible, Tincture, Other



### Pesticides

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

Pass

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
Etoxazole	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
Paclbutrazol	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

Analyzed by 300.1 Plating/QPCR

Pass

Quantitative Analysis	LOQ	Limit	Mass	Status
	CFU/g	CFU/g	CFU/g	
Aerobic Bacteria	1000	100000	<LOQ	Pass
Bile-Tolerant Gram-Negative Bacteria	100	1000	<LOQ	Pass

  

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

### Mycotoxins

Analyzed by 300.2 Elisa

Complete

Mycotoxin	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Aflatoxins	4.0		<LOQ	Tested
Ochratoxin A	2.0		4.5	Tested

### Heavy Metals

Analyzed by 300.8 ICP/MS

Pass

Element	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Arsenic	42	2000	<LOQ	Pass
Cadmium	42	820	<LOQ	Pass
Lead	42	1200	<LOQ	Pass
Mercury	42	400	<LOQ	Pass

### Residual Solvents

Analyzed by 300.13 GC/FID and GC/MS

Pass

Compound	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Butanes	57	500	<LOQ	Pass
Ethanol	57		<LOQ	Tested
Heptanes	57	500	<LOQ	Pass
Propane	57	500	<LOQ	Pass



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