

Pacific Roots LLC

13790 Bridgewater Crossings Blvd., #1080, Windermere, FL 34786

brandon@pacificroots.com

(833) 797-7576

Lic. #CBD

Sample: 2302DBL0075.0455.R1

METRC Sample:
Lot #: PR500PC_23

Strain: N/A

Ordered: 02/21/2023; Sampled: 02/22/2023; Completed: 04/18/2023; Analyzed: 04/10/2023

CBD Muscle Cream

Topical, Lotion, Alcohol



Pesticides



Microbials



Mycotoxins



Heavy Metals



Foreign Matter



Solvents

Terpenes

Analyzed by 300.13 GC/FID and GC/MS



558.174 mg/unit
Total Terpenes

Compound	LOQ	Mass	Mass	Relative Concentration
	mg/unit	mg/unit	mg/g	
Eucalyptol	12.564	236.382	3.940	
δ-Limonene	12.564	166.200	2.770	
α-Pinene	12.564	82.398	1.373	
β-Pinene	12.564	33.072	0.551	
γ-Terpinene	12.564	22.026	0.367	
α-Terpinene	12.564	18.096	0.302	
α-Bisabolol	12.564	<LOQ	<LOQ	
α-Humulene	12.564	<LOQ	<LOQ	
β-Caryophyllene	12.564	<LOQ	<LOQ	
β-Myrcene	12.564	<LOQ	<LOQ	
Camphene	12.564	<LOQ	<LOQ	
Caryophyllene Oxide	12.564	<LOQ	<LOQ	
cis-Nerolidol	12.564	<LOQ	<LOQ	
cis-Ocimene	12.564	<LOQ	<LOQ	
δ-3-Carene	12.564	<LOQ	<LOQ	
Geraniol	12.564	<LOQ	<LOQ	
Guaiol	12.564	<LOQ	<LOQ	
Isopulegol	12.564	<LOQ	<LOQ	
Linalool	12.564	<LOQ	<LOQ	
p-Cymene	12.564	<LOQ	<LOQ	
Terpinolene	12.564	<LOQ	<LOQ	
trans-Nerolidol	12.564	<LOQ	<LOQ	
trans-Ocimene	12.564	<LOQ	<LOQ	

Cannabinoid Relative Concentration

Analyzed by 300.18 UHPLC/PDA

0.08%
Δ9-THC + Δ8-THC

1,079.997 mg/unit
CBD

Not Tested

pH: NT
Aw: NT

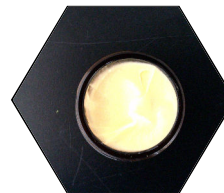
1,161.454 mg/unit
Total Cannabinoids

Not Tested
Homogeneity

Compound	LOQ	Mass	Mass	Relative Concentration
	mg/unit	mg/unit	mg/g	
CBC	3.229	21.096	0.352	
CBCa	3.229	<LOQ	<LOQ	
CBD	3.229	1079.997	18.000	
CBDa	3.229	<LOQ	<LOQ	
CBDV	3.229	5.689	0.095	
CBDVa	3.229	<LOQ	<LOQ	
CBG	3.229	<LOQ	<LOQ	
CBGa	3.229	<LOQ	<LOQ	
CBL	3.229	<LOQ	<LOQ	
CBN	3.229	6.018	0.100	
Δ8-THC	3.229	<LOQ	<LOQ	
Δ9-THC	3.229	48.655	0.811	
THCa	3.229	<LOQ	<LOQ	
THCV	3.229	<LOQ	<LOQ	
THCVa	3.229	<LOQ	<LOQ	

1 Unit = CBD Muscle Cream, 60g

Total THC = 0.877 x THC-A + Δ9-THC + Δ8-THC; Total CBD = CBDa * 0.877 + CBD



Notes: Updated potency.



Glen Marquez
Laboratory Director

Sherri Defreese
Quality Control



4439 Polaris Ave

Las Vegas, NV

(702) 728-5180

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CBD Muscle Cream

Topical, Lotion, Alcohol



Pesticides

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

Pass

Compound	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Abamectin	10	200	<LOQ	Pass
Acequinocyl	10	4000	<LOQ	Pass
Bifenazate	10	400	<LOQ	Pass
Bifenthrin	10	100	<LOQ	Pass
Cyfluthrin	10	2000	<LOQ	Pass
Cypermethrin	10	1000	<LOQ	Pass
Daminozide	10	800	<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	400	<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	
Bile-Tolerant Gram-Negative Bacteria	9	1000	<LOQ	Pass
Yeast & Mold	9	10000	<LOQ	Pass

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

Mycotoxins

Analyzed by 300.2 Elisa

Pass

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

Heavy Metals

Analyzed by 300.8 ICP/MS

Pass

Element	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Arsenic	309	2000	<LOQ	Pass
Cadmium	309	820	<LOQ	Pass
Lead	309	1200	<LOQ	Pass
Mercury	309	400	<LOQ	Pass

Residual Solvents

Analyzed by 300.13 GC/FID and GC/MS

Pass

Compound	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Butanes	76	500	<LOQ	Pass
Ethanol	76		14911	Tested
Heptanes	76	500	<LOQ	Pass
Propane	76	500	<LOQ	Pass




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Topical, Lotion, Alcohol



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Analyzed by 300.2 Elisa				
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	PPB	PPB	PPB	
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