



CERTIFICATE OF ANALYSIS

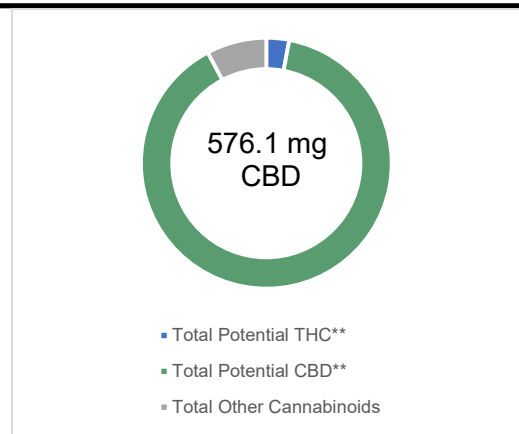
Prepared for: Herbal Root Collective
 8523 Brookfield Dr.
 Austin, TX 78758

PRODUCT: Full Spectrum Topical Serum 500 mg

Batch ID: None Provided	Test ID: CANN_4
Sample ID: TOP_001	Reported July 29, 2020
Method: HPLC/UV-DAD by TM-001	Test: Potency-16 Cannabinoid Profile
Type: Oil Based Tincture	

CANNABINOID PROFILE

Compound	Result (% w/w)	Result (mg/g)	Result (mg)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.000	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.066	0.66	19.1
Cannabidiolic acid (CBDA)	0.000	0.00	0.0
Cannabidiol (CBD)	1.995	19.95	576.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.000	0.00	0.0
Cannabinolic Acid (CBNA)	0.000	0.00	0.0
Cannabinol (CBN)	0.000	0.00	0.0
Cannabigerolic acid (CBGA)	0.000	0.00	0.0
Cannabigerol (CBG)	0.044	0.44	12.70
Tetrahydrocannabivarinic Acid (THCVA)	0.034	0.34	9.8
Tetrahydrocannabivarin (THCV)	0.000	0.000	0.000
Cannabidivarinic Acid (CBDVA)	0.000	0.00	0.0
Cannabidivarin (CBDV)	0.006	0.06	1.7
Cannabichromenic Acid (CBCA)	0.000	0.00	0.0
Cannabichromene (CBC)	0.089	0.89	25.7
Cannabicyclol (CBL)	0.000	0.00	0.0



Total Cannabinoids*	2.234	22.34	645.1	Notes
Total Potential THC**	0.07	0.66	19.1	Calculated amt. per container 28.9 grams
Total Potential CBD**	2.00	19.95	576.1	
Total Other Cannabinoids	0.17	1.73	49.9	

*Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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

Total THC = THC + (THCa*(0.877)) and Total CBD = CBD + (CBDa*(0.877))

%=(w/w) = Percent (Weight of Analyte/Weight of Product)

FINAL APPROVAL


 Dale Smith
 29-Jul-20
 3:42 PM



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