



License No. 800025015
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CLIA No. 10D1094068

Certificate of Analysis

R&D

ESSENTIALS LLC
200 NORTH GREENSBORO ST. A-10
CARRBORO, NC 27510

Batch # B29M6-500
Batch Date: 2021-07-12
Extracted From: hemp

Test Reg State: Florida

Order # ESS210712-010012
Order Date: 2021-07-12
Sample # AABP770

Sampling Date: 2021-07-14
Lab Batch Date: 2021-07-14
Completion Date: 2021-07-22

Initial Gross Weight: 76.089 g
Net Weight: 15.321 g
Density: .95 g/ml

Number of Units: 1
Net Weight per Unit: 15321.000 mg



Product Image

Potency
Tested

Potency - 11

Specimen Weight: 94.310 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/ml)	(%)
CBD	10.000	0.000054	0.001	11.191	1.178
CBG	10.000	0.000248	0.001	0.627	0.066
CBC	10.000	0.000018	0.001	0.491	0.052
CBN	10.000	0.000014	0.001	0.372	0.039
CBDA	10.000	0.00001	0.001	0.154	0.016
Delta-9 THC	10.000	0.000013	0.001		<LOQ
Delta-8 THC	10.000	0.000026	0.001		<LOQ
THCV	10.000	0.000007	0.001		<LOQ
CBGA	10.000	0.00008	0.001		<LOQ
CBDV	10.000	0.000065	0.001		<LOQ
THCA-A	10.000	0.000032	0.001		<LOQ

Tested
(HPLC/LCMS)

Potency Summary

Total THC None Detected	Total CBD 1.192%	173.526mg
Total CBG 0.066%	9.599mg	Total CBN 0.039%
Other Cannabinoids 0.052%	7.516mg	Total Cannabinoids 1.349%
		196.349mg

Please see the 3000mg report for detailed Pesticide, Heavy Metal, Residual Solvent, Mycotoxin, and Pathogen test results.

Xueli Gao
Ph.D., DABT
Lab Toxicologist

Aixia Sun
D.H.Sc., M.Sc., B.Sc., MT (AAB)
Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 5%

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