



License No. 800025015  
FL License # CMTL-0003  
CLIA No. 10D1094068

# Certificate of Analysis

R&D

**ESSENTIALS LLC** Batch # B29M6-1000 Test Reg State: Florida  
200 NORTH GREENSBORO ST. A-10 Batch Date: 2021-07-12  
CARRBORO, NC 27510 Extracted From: HEMP

Order # ESS210712-010011 Sampling Date: 2021-07-14 Initial Gross Weight: 74.545 g Number of Units: 1  
Order Date: 2021-07-12 Lab Batch Date: 2021-07-14 Net Weight: 14.070 g Net Weight per Unit: 14070.000 mg  
Sample # AABP769 Completion Date: 2021-07-22 Density: .969 g/ml



Potency  
Tested

Product Image



## Potency - 11

Specimen Weight: 101.260 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/ml)	(%)
CBD	10.000	0.000054	0.001	19.070	1.968
CBG	10.000	0.000248	0.001	1.053	0.109
CBC	10.000	0.000018	0.001	0.829	0.086
CBN	10.000	0.000014	0.001	0.619	0.064
CBDA	10.000	0.00001	0.001	0.260	0.027
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

<b>Total THC</b> None Detected	<b>Total CBD</b> 1.991% 271.517mg
<b>Total CBG</b> 0.109% 14.820mg	<b>Total CBN</b> 0.064% 8.715mg
<b>Other Cannabinoids</b> 0.086% 11.661mg	<b>Total Cannabinoids</b> 2.250% 306.713mg

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

Xueli Gao Lab Toxicologist  
Ph.D., DABT

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



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, LOD = Limit of Detection, (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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