



Certificate of Analysis

R&D

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

Batch # B27-13
Batch Date: 2020-12-31
Extracted From: Hemp

Test Reg State: Oregon

Order # ESS210107-010030
Order Date: 2021-01-07
Sample # AAAW761

Sampling Date: 2021-01-10
Lab Batch Date: 2021-01-10
Completion Date: 2021-01-15

Initial Gross Weight: 36.929 g
Net Weight: 25.512 g

Number of Units: 1
Net Weight per Unit: 25512.000 mg



Product Image

Potency
Tested

Delta 8 Potency 11

Specimen Weight: 119.660 mg

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	0.000054	0.001	14.940	1.494
THCV	0.000007	0.001	<LOQ	<LOQ
CBC	0.000018	0.001	<LOQ	<LOQ
Delta-9 THC	0.000013	0.001	<LOQ	<LOQ
Delta-8 THC	0.000026	0.001	<LOQ	<LOQ
CBN	0.000014	0.001	<LOQ	<LOQ
CBGA	0.00008	0.001	<LOQ	<LOQ
CBG	0.000248	0.001	<LOQ	<LOQ
CBDV	0.000065	0.001	<LOQ	<LOQ
CBDA	0.00001	0.001	<LOQ	<LOQ
THCA-A	0.000032	0.001	<LOQ	<LOQ

Tested
(LCUV)

Potency Summary

Total CBD 1.494% 381.149mg	Total THC None Detected
Total CBG None Detected	Total CBN None Detected
Other Cannabinoids None Detected	Total Cannabinoids 1.494% 381.149mg

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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