ACS LABORATORY | CANNABIS & HEMP BEYOND COMPLIANCE
721 Cortaro Dr.
Sun City Center, FL 33573

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

Sublingual Oil, 1000 mg
Sample Matrix: CBD/HEMP Derivative Products (Ingestion)

Certificate of Analysis

Compliance Test

UPSTREAM ORGANICS
10120 E. LOMA RICA DR.
PALMER, AK 99645

Batch # 25
Batch Date: 2020-12-14
Extracted From: Hemp

Test Reg State: Oregon

Production Facility: Upstream Organics
Production Date: 2020-12-12

Order # UPS201218-050015
Order Date: 2020-12-18
Sample # AAAV608

Sampling Date: 2020-12-22
Lab Batch Date: 2020-12-22
Completion Date: 2020-12-28

Initial Gross Weight: 79.563 g
Net Weight: 29.721 g
Density: 0.9544 g/ml

Number of Units: 1
Net Weight per Unit: 29721.000 mg

Product Image

Potency Tested

Potency - 11

Tested (HPLC/LCMS)

Specimen Weight: 99.280 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/ml)	(%)
CBDA	10.000	0.00001	0.001	40.591	4.253
CBD	10.000	0.000054	0.001	2.414	0.253
THCA-A	10.000	0.000032	0.001	1.374	0.144
CBGA	10.000	0.00008	0.001	1.226	0.129
Delta-9 THC	10.000	0.000013	0.001	0.314	0.033
CBG	10.000	0.000248	0.001	0.217	0.023
CBC	10.000	0.000018	0.001	0.222	0.023
Delta-8 THC	10.000	0.000026	0.001		<LOQ
THCV	10.000	0.000007	0.001		<LOQ
CBN	10.000	0.000014	0.001		<LOQ
CBDV	10.000	0.000065	0.001		<LOQ

Potency Summary

Total CBD 3.983% 1,129.745mg	**Total THC** 0.159% 45.169mg
Total CBG 0.135% 38.411mg	**Total CBN** None Detected
Other Cannabinoids 0.023% 6.612mg	**Total Cannabinoids** 4.301% 1,219.937mg

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%