



Certificate of Analysis

Compliance Test

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

Batch # 29
Batch Date: 2021-01-20
Extracted From: Hemp, 20210107

Test Reg State: Alaska

Production Facility: Upstream Organics
Production Date: 2021-01-20

Order # UPS210121-040034
Order Date: 2021-01-21
Sample # AAAX831

Sampling Date: 2021-01-26
Lab Batch Date: 2021-01-26
Completion Date: 2021-01-28

Initial Gross Weight: 79.097 g
Net Weight: 29.410 g
Density: 0.992 g/ml

Number of Units: 1
Net Weight per Unit: 29410.000 mg



Product Image

Potency
Tested



Potency - 11

Specimen Weight: 82.250 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/ml)	(%)
CBDA	10.000	0.00001	0.001	9.674	0.975
CBD	10.000	0.000054	0.001	8.658	0.873
CBC	10.000	0.000018	0.001	0.410	0.041
Delta-9 THC	10.000	0.000013	0.001	0.360	0.036
THCA-A	10.000	0.000032	0.001	0.347	0.035
CBGA	10.000	0.00008	0.001	0.286	0.029
CBG	10.000	0.000248	0.001	0.262	0.026
THCV	10.000	0.000007	0.001	<LOQ	<LOQ
Delta-8 THC	10.000	0.000026	0.001	<LOQ	<LOQ
CBN	10.000	0.000014	0.001	<LOQ	<LOQ
CBDV	10.000	0.000065	0.001	<LOQ	<LOQ

Tested (HPLC/LCMS)



Potency Summary

Total CBD	504.154mg	Total THC	19.521mg
1.728%		0.067%	
Total CBG	15.103mg	Total CBN	None Detected
0.052%			
Other Cannabinoids	12.061mg	Total Cannabinoids	550.840mg
0.041%		1.888%	

Xueli Gao
Xueli Gao
Lab Toxicologist
Ph.D., DABT

Aixia Sun
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%

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.

