



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

R&D

**COLUMBIA BASIN
BIOSCIENCE**
2250 S HWY 395
HERMISTON, OR 97838

Batch # 1065389-049/110-2782-IG
Batch Date: 2022-10-07
Extracted From: INDUSTRIAL HEMP

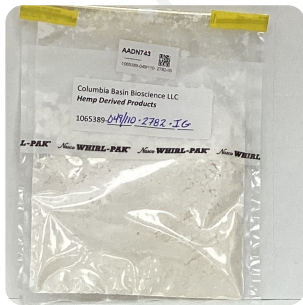
Test Reg State: Oregon

Production Facility: Columbia Basin
Bioscience
Production Date: 2022-10-07

Order # COL221007-030001
Order Date: 2022-10-07
Sample # AADN743

Sampling Date: 2022-10-11
Lab Batch Date: 2022-10-11
Completion Date: 2022-10-17

Initial Gross Weight: 15.577 g



Product Image

Potency
Tested

Residual Solvents
Passed

Potency 10

Specimen Weight: 48.710 mg

Tested

SOP13.001 (LCUV)

| Analyte | Dilution (1:n) | LOD (%) | LOQ (%) | Result (mg/g) | (%) |
|-------------|----------------|---------|---------|---------------|---------|
| CBG | 100.000 | 2.48E-4 | 0.0015 | 997.1500 | 99.7150 |
| CBC | 100.000 | 1.80E-5 | 0.0015 | | <LOQ |
| CBD | 100.000 | 5.40E-5 | 0.0015 | | <LOQ |
| CBDA | 100.000 | 1.00E-5 | 0.0015 | | <LOQ |
| CBDV | 100.000 | 6.50E-5 | 0.0015 | | <LOQ |
| CBGA | 100.000 | 8.00E-5 | 0.0015 | | <LOQ |
| CBN | 100.000 | 1.40E-5 | 0.0015 | | <LOQ |
| Delta-9 THC | 100.000 | 1.30E-5 | 0.0015 | | <LOQ |
| THCA-A | 100.000 | 3.20E-5 | 0.0015 | | <LOQ |
| THCV | 100.000 | 7.00E-6 | 0.0015 | | <LOQ |

Potency Summary

| | |
|-------------------------------------|-----------------------------------|
| Total Active THC None Detected | Total Active CBD None Detected |
| Total CBG 99.715% | Total CBN None Detected |
| Other Cannabinoids None Detected | Total Cannabinoids 99.715% |

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 Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THC = THC + (THCVA * 0.87), CBG Total = (CBGA * 0.877) + CBG, CBN Total = (CBNA * 0.877) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta8a10a-THC + Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THC + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, 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 = +/- 10%

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Residual Solvents - FL (CBD)

Specimen Weight: 312.600 mg

Passed
SOP13.039 (GCMS)

Dilution Factor: 50.000

| Analyte | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) | Analyte | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) |
|--------------------|-----------|-----------|--------------------|--------------|--------------------|-----------|-----------|--------------------|--------------|
| 1,1-Dichloroethene | 0.0094 | 0.16 | 8 | <LOQ | Heptane | 0.0013 | 1.39 | 5000 | <LOQ |
| 1,2-Dichloroethane | 0.0003 | 0.04 | 5 | <LOQ | Hexane | 0.068 | 1.17 | 290 | <LOQ |
| Acetone | 0.015 | 2.08 | 5000 | <LOQ | Isopropyl alcohol | 0.0048 | 1.39 | 500 | <LOQ |
| Acetonitrile | 0.06 | 1.17 | 410 | <LOQ | Methanol | 0.0005 | 0.69 | 3000 | <LOQ |
| Benzene | 0.0002 | 0.02 | 2 | <LOQ | Methylene chloride | 0.0029 | 2.43 | 600 | <LOQ |
| Butanes | 0.4167 | 2.5 | 2000 | <LOQ | Pentane | 0.037 | 2.08 | 5000 | 331.281 |
| Chloroform | 0.0001 | 0.04 | 60 | <LOQ | Propane | 0.031 | 5.83 | 2100 | <LOQ |
| Ethanol | 0.0021 | 2.78 | 5000 | <LOQ | Toluene | 0.0009 | 2.92 | 890 | <LOQ |
| Ethyl Acetate | 0.0012 | 1.11 | 5000 | <LOQ | Total Xylenes | 0.0001 | 2.92 | 2170 | <LOQ |
| Ethyl Ether | 0.0049 | 1.39 | 5000 | <LOQ | Trichloroethylene | 0.0014 | 0.49 | 80 | <LOQ |
| Ethylene Oxide | 0.0038 | 0.1 | 5 | <LOQ | | | | | |

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