



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 # 1065389-1722-1762-ID  
Batch Date: 2022-06-24  
Extracted From: INDUSTRIAL HEMP

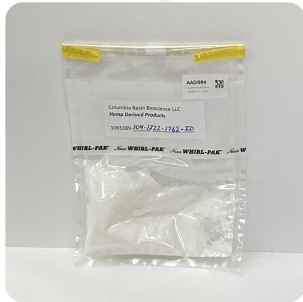
Test Reg State: Oregon

Production Facility: COLUMBIA BASIN  
BIOSCIENCE  
Production Date: 2022-06-24

Order # COL220901-010002  
Order Date: 2022-09-01  
Sample # AAD1994

Sampling Date: 2022-09-08  
Lab Batch Date: 2022-09-08  
Completion Date: 2022-09-13

Initial Gross Weight: 13.694 g



Potency  
Tested

Product Image

**Potency 10 - (LCMS)**  **Tested**

SOP13.030 (LCMS)

Specimen Weight: 52.170 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	100.000	3.37E-7	7.5E-5	998.290	99.829
CBDV	10.000	9.80E-8	7.5E-5	1.610	0.161
CBC	10.000	1.94E-6	7.5E-5		<LOQ
CBDA	10.000	7.78E-8	7.5E-5		<LOQ
CBG	10.000	4.00E-7	7.5E-5		<LOQ
CBGA	10.000	4.71E-8	7.5E-5		<LOQ
CBN	10.000	1.25E-6	7.5E-5		<LOQ
Delta-9 THC	10.000	2.98E-5	7.5E-5		<LOQ
THCA	10.000	1.51E-7	7.5E-5		<LOQ
THCV	10.000	1.24E-6	7.5E-5		<LOQ

**Potency Summary**

Total Active THC None Detected	Total Active CBD 99.829%
Total CBG None Detected	Total CBN None Detected
Other Cannabinoids 0.161%	Total Cannabinoids 99.990%

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 THCV = THCV + (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 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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