ACS LABORATORY | CANNABIS & HEMP BEYOND COMPLIANCE
721 Cortaro Dr.
Sun City Center, FL 33573
www.acslab.com
DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

TESTED SAFE CERTIFIED HEMP EDIBLE

125mg 2oz honey
Sample Matrix: CBD/HEMP Edibles (Ingestion)

# Certificate of Analysis

Compliance Test

**Client Information:**
Frontier cbds
528 E Pioneer Ave
Homer, Alaska 99603

Batch # 001
Batch Date: 2024-10-01
Extracted From: Co2

Test Reg State: Alaska

Production Facility: Homer
Production Date: 2024-10-01

Order # FRO241006-120001
Order Date: 2024-10-06
Sample # AAGA224

Sampling Date: 2024-10-17
Lab Batch Date: 2024-10-17
Completion Date: 2024-10-21

Initial Gross Weight: 81.200 g

Number of Units: 1
Net Weight per Unit: 57000.000 mg
Sampling Method: MSP 7.3.1



Product Image

Potency Tested
Heavy Metals Passed
Mycotoxins Passed
Pesticides Passed
Residual Solvents Passed
Pathogenic Microbiology Passed
Microbiology (qPCR) Passed

## Potency 10

Specimen Weight: 1542.300 mg

Tested
SOP13.001 (LCUV)

| Analyte | Dilution (1:n) | LOD (%) | LOQ (%) | Result (mg/g) | (%) |
|---|---|---|---|---|---|
| CBD | 10.000 | 5.40E-5 | 0.015 | 1.630 | 0.163 |
| CBC | 10.000 | 1.80E-5 | 0.015 | <LOQ | <LOQ |
| CBDA | 10.000 | 1.00E-5 | 0.015 | <LOQ | <LOQ |
| CBDV | 10.000 | 6.50E-5 | 0.015 | <LOQ | <LOQ |
| CBG | 10.000 | 2.48E-4 | 0.015 | <LOQ | <LOQ |
| CBGA | 10.000 | 8.00E-5 | 0.015 | <LOQ | <LOQ |
| CBN | 10.000 | 1.40E-5 | 0.015 | <LOQ | <LOQ |
| Delta-9 THC | 10.000 | 1.30E-5 | 0.015 | <LOQ | <LOQ |
| THCA-A | 10.000 | 3.20E-5 | 0.015 | <LOQ | <LOQ |
| THCV | 10.000 | 7.00E-6 | 0.015 | <LOQ | <LOQ |
| Total Active CBD | 10.000 | | | 1.630 | 0.163 |
| Total Active THC | 10.000 | | | <LOQ | <LOQ |

## Potency Summary

| | |
|---|---|
| Total Active THC: - None Detected | Total Active CBD: 0.163% 92.910 mg |
| Total CBG: - None Detected | Total CBN: - None Detected |
| Total Cannabinoids: 0.163% 92.910 mg | |

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

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Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.867), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87) , CBG Total = (CBGA * 0.878) + CBG, CBN Total = (CBNA * 0.876) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (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, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed – Analyte/microbe is not detected or is at the level below the action limit per AK rule 11 AAC Ch40. Failed – Analyte/microbe is at the level that equal or above the action limit per AK rule 11 AAC Ch40 Sample not received via laboratory sampling.

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**Order #** FRO241006-120001
**Order Date:** 2024-10-06
**Sample #** AAGA224

**Sampling Date:** 2024-10-17
**Lab Batch Date:** 2024-10-17
**Completion Date:** 2024-10-21

**Initial Gross Weight:** 81.200 g

**Number of Units:** 1
**Net Weight per Unit:** 57000.000 mg
**Sampling Method: MSP 7.3.1**

## PCR Total Yeast and Mold

**Passed**
**SOP13.017 (qPCR)**

**Specimen Weight: 495.000 mg**

**Dilution Factor: 8.000**

| Analyte | Action Level (cfu/g) | LOQ (cfu/g) | Result (cfu/g) |
|---|---|---|---|
| Total Yeast/Mold | 100000 | 1000 | <LOQ |

**Prep. By:** 1161 **Date:** 2024-10-18 11:56:55 **Analyzed By:** 1161 **Date:** 2024-10-18 11:56:55

**Reviewed By:** 1161 **Date:** 2024-10-19 07:26:16 **Lab Batch #:** AAGA224-218 **Date:** 2024-10-19 07:26:16

## Pathogenic Microbiology SAE (MicroArray)

**Passed**
**SOP13.019 (Micro Array)**

**Specimen Weight: 1043.390 mg**

**Dilution Factor: 1.000**

| Analyte | Result (cfu/g) | Analyte | Result (cfu/g) |
|---|---|---|---|
| Aspergillus flavus | Absence in 1g | Aspergillus terreus | Absence in 1g |
| Aspergillus fumigatus | Absence in 1g | Salmonella | Absence in 1g |
| Aspergillus niger | Absence in 1g | STEC E. Coli | Absence in 1g |

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**Number of Units:** 1
**Net Weight per Unit:** 57000.000 mg
**Sampling Method:** MSP 7.3.1

## Heavy Metals

**Passed**

**Specimen Weight: 252.000 mg**

**SOP13.048 (ICP-MS)**

**Dilution Factor: 198**

| Analyte | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic (As) | 4.83 | 100 | 1500 | <LOQ | Lead (Pb) | 11.76 | 100 | 500 | 228.319 |
| Cadmium (Cd) | .64 | 100 | 500 | <LOQ | Mercury (Hg) | .58 | 100 | 3000 | <LOQ |

## Mycotoxins

**Passed**

**Specimen Weight: 600.400 mg**

**SOP13.007 (LCMS)**

**Dilution Factor: 2.500**

| Analyte | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| Aflatoxin B1 | 3.0400E-1 | 6 | 20 | <LOQ | Aflatoxin G2 | 2.7100E-1 | 6 | 20 | <LOQ |
| Aflatoxin B2 | 7.7000E-2 | 6 | 20 | <LOQ | Ochratoxin A | 7.5400E-1 | 3.8 | 20 | <LOQ |
| Aflatoxin G1 | 3.0400E-1 | 6 | 20 | <LOQ | | | | | |

## Pesticides – FL (AK)

**Passed**

**Specimen Weight: 600.400 mg**

**SOP13.007 (LCMS/GCMS)**

**Dilution Factor: 2.500**

| Analyte | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| Abamectin | 2.8800E-1 | 28.23 | 70 | <LOQ | Malathion | 8.2000E-2 | 30 | 50 | <LOQ |
| Azoxystrobin | 8.1000E-2 | 10 | 20 | <LOQ | Myclobutanil | 1.0290E+0 | 30 | 40 | <LOQ |
| Bifenazate | 1.4150E+0 | 30 | 20 | <LOQ | Permethrin | 3.4300E-1 | 30 | 40 | <LOQ |
| Etoxazole | 9.5000E-2 | 30 | 10 | <LOQ | Spinosad | 8.8000E-2 | 30 | 60 | <LOQ |
| Imazalil | 2.4800E-1 | 30 | 40 | <LOQ | Spiromesifen | 2.6100E-1 | 30 | 30 | <LOQ |
| Imidacloprid | 9.4000E-2 | 30 | 20 | <LOQ | Tebuconazole | 6.7000E-2 | 30 | 10 | <LOQ |

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

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**Sampling Method:** MSP 7.3.1

## Residual Solvents - FL (CBD)

**Specimen Weight: 17.400 mg**

**Passed**
**SOP13.039 (GCMS)**

**Dilution Factor: 1.000**

| 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 | <LOQ |
| 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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