



CERTIFICATE OF ANALYSIS

Customer: JAP Distributing

Collection Date: 07/29/2019
 Order Date: 07/29/2019
 Report Date: 08/16/2019
 Order #702926
 Batch # 1906F01

Initial Weight: 12168.00/mg
 Specimen Weight: 55.51/mg
 Specimen Type: Extract
 Extracted From: Hemp (Supercritical CO2)
 Description: Hemp Oil

Residual Solvents (GC/GCMS)

| Analyte | ppm | Analyte | ppm | Analyte | ppm |
|----------|-----|----------|-----|-------------|-----|
| Acetone | ND | Benzene | ND | Chloroform | ND |
| Ethanol | ND | I-Butane | ND | Isopropanol | ND |
| Methanol | ND | N-Butane | ND | Pentane | ND |
| Toluene | ND | | | | |

Heavy Metals (ICP-MS)

| Analyte | ppb | Analyte | ppb | Analyte | ppb |
|--------------|-----|--------------|-----|-----------|-----|
| Arsenic (As) | ND | Cadmium (Cd) | ND | Lead (Pb) | ND |
| Mercury (Hg) | ND | | | | |

Mycotoxins (LCMS/MS)

| Analyte | (ug/Kg) | Analyte | (ug/Kg) | Analyte | (ug/Kg) |
|--------------|---------|-----------------|---------|--------------|---------|
| Aflatoxin B1 | ND | Aflatoxin B2 | ND | Aflatoxin G1 | ND |
| Aflatoxin G2 | ND | Aflatoxin Total | ND | Ochratoxin A | ND |

Terpenes (GC/GCMS)

| Analyte | mg/g | % | Analyte | mg/g | % | Analyte | mg/g | % |
|---------------------|--------|--------|-----------------|--------|--------|-----------------|--------|--------|
| 3-Carene | 0 | ND | Alpha-Bisabolol | 0.0795 | 0.0080 | Alpha-Pinene | 0 | ND |
| Alpha-Terpinene | 0 | ND | Alpha-Terpineol | 0 | ND | Aromadendrene | 0 | ND |
| Beta-Myrcene | 0 | ND | Beta-Pinene | 0 | ND | Camphene | 0 | ND |
| Fenchol | 0 | ND | Gamma-Terpinene | 0 | ND | Gamma-Terpineol | 0 | ND |
| Geraniol | 0 | ND | Guaiol | 0 | ND | Humulene | 0.0140 | 0.0014 |
| Isopulegol | 0 | ND | Linalool | 0 | ND | Nerolidol-1 | 0 | ND |
| Nerolidol-2 | 0 | ND | Ocimene-1 | 0 | ND | Ocimene-2 | 0 | ND |
| P-Cymene | 0 | ND | R-Limonene | 0 | ND | Terpinolene | 0 | ND |
| Trans-Caryophyllene | 0.0389 | 0.0039 | | | | | | |

Thomas Farrell, MD
Lab Director

* Total CBD = CBD + (CBD-A * 0.877), Total THC = THCA-A * 0.877 + Delta 9 THC, T-Caryophyllene = Trans-Caryophyllene, ND = Not Detected, QNS = Quantity Not Sufficient. (%) = Percent, (ppm) = Parts per Million, (cfu) = Colony Forming Unit, (ppb) = Parts per Billion, (ug/Kg) = Microgram per Kilogram, (mg/g) = Milligram per Gram.
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