



Certificate of Analysis



Whole Flower CBD oil 375mg
Matrix: Derivative
Accession Number: 031121UD0002
Harvest/Lot ID:
Seed to Sale: *
Batch Date: 03/11/21
Batch #: 309110
Sample Size Received: 1 units
Retail Product Size: 15
Ordered: 03/11/21
Completed: 03/17/21
Expires: 03/16/22
Sampling Method: SOP Client Method

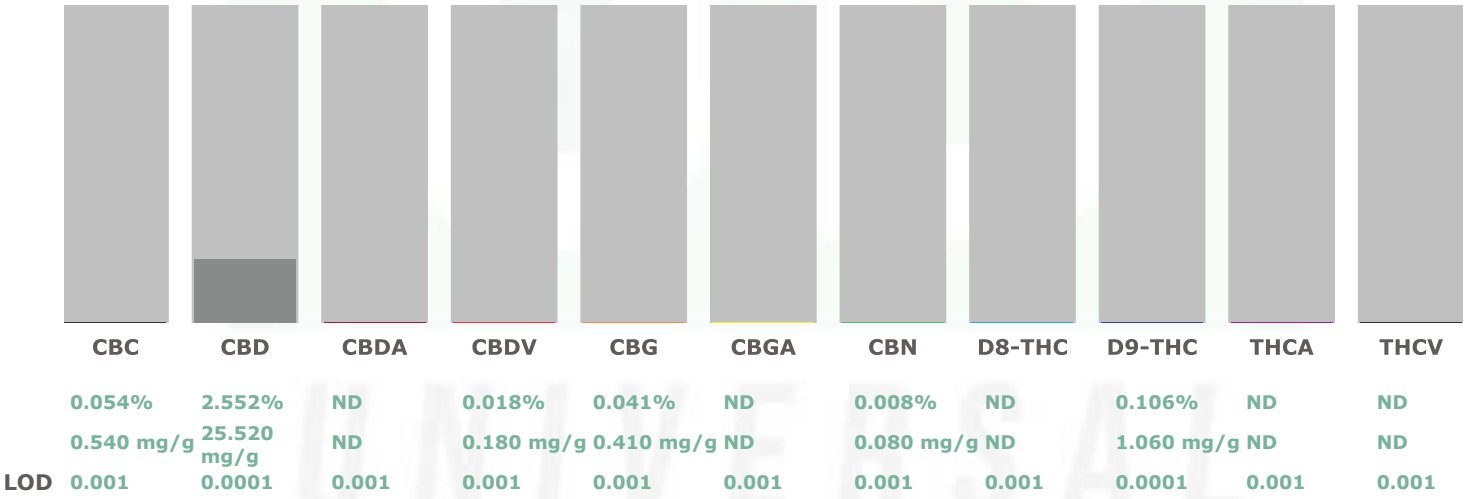
Mar 17, 2021 | Cornbread Hemp



Louisville, KENTUCKY,
(502) 554-6857

CANNABINOID RESULTS

| | | |
|---|--|---|
| Total THC 0.106% THC/Container :15.9 mg | Total CBD 2.552% CBD/Container :382.8 mg | Total Cannabinoids 2.779% Cannabinoids/Container :416.85 mg |
|---|--|---|



Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-PDA). (Method: SOP.KY.02.005) sample prep and Shimadzu High Sensitivity Method SOP.KY.02.012 for analysis. LOQ for all cannabinoids is 1 mg/L. % = %w/w = Percent (Weight of Analyte/Weight Product) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected. **Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation Total THC = THC + (THCa*0.877) Total CBD = CBD + (CBDA*0.877)

Filth & Foreign Matter **PASSED**

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is use for inspection. SOP.KY.02.11

This report shall not be reproduced, unless in its entirety, without written approval from Universal Diagnostics. This report is an Universal Diagnostics certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

David Greene
Lab Director
State License # 19-05-02P

03/17/21

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Table with 12 columns: Pesticides, LLOQ, Result, Units, Action Level, Pass / Fail. Includes a large 'PASSED' watermark and a detailed list of pesticides such as cis-permethrin, ABAMECTIN B1A, ACEQUINOCYL, etc.

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). **

Table with 12 columns: Mycotoxins, LLOQ, Result, Units, Action Level, Pass / Fail. Includes a large 'PASSED' watermark and a list of mycotoxins: Aflatoxin B1, Aflatoxin G1, Ochratoxin A+.

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be 20g/Kg. Ochratoxins must be 20g/Kg

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Table with 6 columns: Solvent, LLOQ, Result, Units, Action Level (PPM), Pass/Fail. Row 1: Residual Solvents PASSED. Rows 2-18: 2-Propanol, Acetone, Acetonitrile, Butane, Ethanol, Ethyl Acetate, Ethyl Ether, Heptane, Hexane, Methanol, Pentane, Propane, Toluene, XYLENES, M/P-Xylene, O-Xylene, Total Xylenes.

Table with 6 columns: Metal, LLOQ, Result, Unit, Action Level, Pass/Fail. Row 1: Heavy Metals PASSED. Rows 2-5: Arsenic, Cadmium, Lead, Mercury.

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS. *Action Limits based on Colorado Regulations.

Table with 2 columns: Analyte, Result. Row 1: Microbials PASSED. Rows 2-6: ASPERGILLUS_FLAVUS, ASPERGILLUS_FUMIGATUS, ASPERGILLUS_NIGER, ASPERGILLUS_TERREUS_1J2, ESCHERICHIA_COLI_SHIGELLA_SPP, SALMONELLA_SPECIFIC_GENE.

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Table with 4 columns: Terpenes, LLOQ, Units, Result (%). Row 1: Terpenes TESTED. Rows 2-18: 3-CARENE, ALPHA-BISABOLOL, ALPHA-CEDRENE, ALPHA-HUMULENE, ALPHA-PHELLANDRENE, ALPHA-PINENE, ALPHA-TERPINENE, BETA-MYRCENE, BETA-PINENE, BORNEOL, CAMPHENE, CAMPHOR, CARYOPHYLLENE Oxide, CEDROL, CIS-NEROLIDOL, EUCALYPTOL.

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Table with columns: Terpenes, LLOQ, Units, Result (%). Includes a 'TESTED' banner and a list of terpenes such as FENCHONE, LINALOOL, and TRANS-CARYOPHYLLENE.

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