



# Certificate of Analysis



**Distilled CBD oil 375mg**  
**Matrix:** Derivative  
**Accession Number:** 031121UD0001  
**Harvest/Lot ID:**  
**Seed to Sale:** \*  
**Batch Date:** 03/11/21  
**Batch #:** 311111  
**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

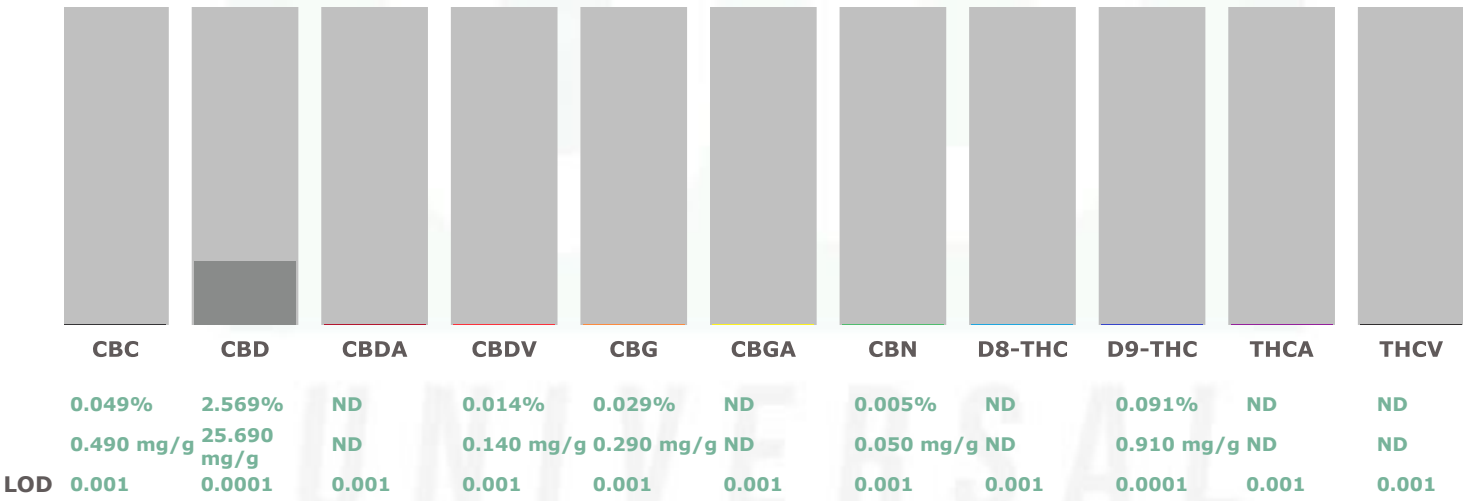
Mar 17, 2021 | Cornbread Hemp



Louisville, KENTUCKY,  
(502) 554-6857

## CANNABINOID RESULTS

|  |   |   |
|--|---|---|
| <b>Total THC</b><br><b>0.091%</b><br>THC/Container :13.65 mg | <b>Total CBD</b><br><b>2.569%</b><br>CBD/Container :385.35 mg | <b>Total Cannabinoids</b><br><b>2.757%</b><br>Cannabinoids/Container :413.55 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

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

03/17/21

Signature

Signed On



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Telephone: (502) 554-6857
Email: eric@cornbreadhemp.com



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Table with 12 columns: Pesticides, LLOQ, Result, Units, Action Level, Pass / Fail. Includes a large 'PASSED' watermark and a list of 57 pesticides with their respective results.

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 6 mycotoxins with their respective results.

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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Residual Solvents PASSED

Table with 6 columns: Solvent, LLOQ, Result, Units, Action Level (PPM), Pass/Fail. Lists various solvents like 2-Propanol, Acetone, Acetonitrile, etc.

Heavy Metals PASSED

Table with 6 columns: Metal, LLOQ, Result, Unit, Action Level, Pass/Fail. Lists metals like 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.

Microbials PASSED

Table with 2 columns: Analyte, Result. Lists various microbial species like ASPERGILLUS\_FLAVUS, etc.

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.

Terpenes TESTED

Table with 4 columns: Terpenes, LLOQ, Units, Result (%). Lists various terpenes like 3-CARENE, ALPHA-BISABOLOL, etc.

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| Terpenes          |       | <b>TESTED</b> |            |            |
|-------------------|-------|---------------|------------|------------|
| Terpenes          | LLOQ  | Units         | Result (%) |            |
| FENCHONE          | 0.005 | %             | ND         | ██████████ |
| FENCHYL ALCOHOL   | 0.005 | %             | ND         | ██████████ |
| GAMMA-TERPINENE   | 0.005 | %             | ND         | ██████████ |
| GERANIOL          | 0.005 | %             | ND         | ██████████ |
| GERANYL ACETATE   | 0.005 | %             | ND         | ██████████ |
| GUAIOL            | 0.005 | %             | ND         | ██████████ |
| HEXAHYDROTHYMOL   | 0.005 | %             | ND         | ██████████ |
| ISOBORNEOL        | 0.005 | %             | ND         | ██████████ |
| ISOPULEGOL        | 0.005 | %             | ND         | ██████████ |
| LIMONENE          | 0.005 | %             | ND         | ██████████ |
| LINALOOL          | 0.005 | %             | ND         | ██████████ |
| NEROL             | 0.005 | %             | ND         | ██████████ |
| OCIMENE           | 0.005 | %             | ND         | ██████████ |
| PULEGONE          | 0.005 | %             | ND         | ██████████ |
| SABINENE          | 0.005 | %             | ND         | ██████████ |
| SABINENE HYDRATE  | 0.005 | %             | ND         | ██████████ |
| TERPINEOL         | 0.005 | %             | ND         | ██████████ |
| TERPINOLENE       | 0.005 | %             | ND         | ██████████ |
| TRANS-NEROLIDOL   | 0.005 | %             | ND         | ██████████ |
| TRANCARYOPHYLLENE | 0.005 | %             | ND         | ██████████ |
| VALENCENE         | 0.005 | %             | ND         | ██████████ |
| <b>Total</b>      | 0.011 |               |            | ██████████ |

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