



Certificate of Analysis



Full Spectrum CBD Capsules 25mg
Matrix: Derivative
Accession Number: 022521UD0001
Harvest/Lot ID:
Seed to Sale: *
Batch Date: 02/25/21
Batch #: CB08221903-01
Sample Size Received: 750 mg
Retail Product Size: 18 units
Ordered: 02/25/21
Completed: 03/04/21
Expires: 03/01/22
Sampling Method: SOP Client Method

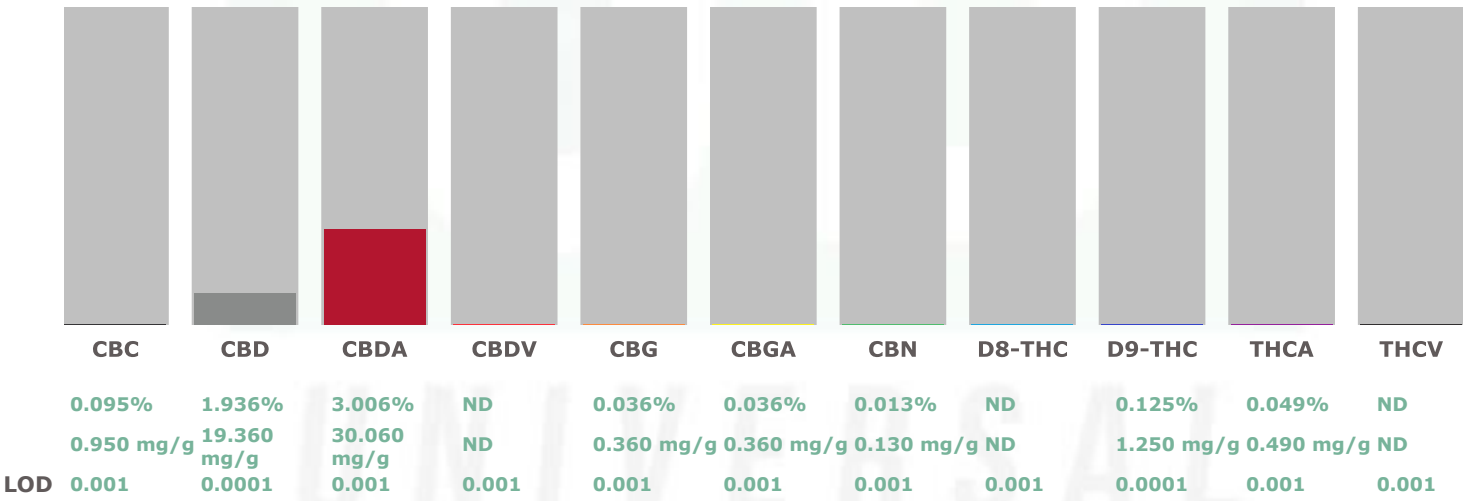
Mar 04, 2021 | Cornbread Hemp



Louisville, KENTUCKY,
(502) 554-6857

CANNABINOID RESULTS

Table with 3 columns: Total THC (0.168%), Total CBD (4.572%), Total Cannabinoids (4.920%). Includes sub-values for mg/g and 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

Pesticides PASSED

Table with 12 columns: Pesticides, LLOQ, Result, Units, Action Level, Pass / Fail, Pesticides, LLOQ, Result, Units, Action Level, Pass / Fail. Lists various pesticides like cis-permethrin, ABAMECTIN B1A, ACEQUINOCYL, trans-permethrin, ACEPHATE, ACETAMIPRID.

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

Signature

03/04/21

Signed On



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Cornbread Hemp

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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. Lists various pesticides such as Aldicarb, Bifenazate, Boscalid, etc., with their respective results (ND or PASS).

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). **

Mycotoxins table with 12 columns: Analyte, LLOQ, Result, Units, Action Level, Pass / Fail. Shows results for Aflatoxin B1, Aflatoxin G1, Ochratoxin A+, Aflatoxin B2, and Aflatoxin G2, all with PASS 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

Residual Solvents table with 6 columns: Solvent, LLOQ, Result, Units, Action Level (PPM), Pass/Fail. Shows 2-PROPANOL with a PASS result.

Heavy Metals table with 6 columns: Metal, LLOQ, Result, Unit, Action Level, Pass / Fail. Shows results for Arsenic, Cadmium, and Lead, all with PASS results.

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David Greene
Lab Director
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Signature (handwritten)

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Signature

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Residual Solvents PASSED

Table with 6 columns: Solvent, LLOQ, Result, Units, Action Level (PPM), Pass/Fail. Lists various solvents like ACETONE, ACETONITRILE, BUTANES, etc.

Heavy Metals PASSED

Table with 6 columns: Metal, LLOQ, Result, Unit, Action Level, Pass/Fail. Shows Mercury result as ND.

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.

Microbials PASSED

Table with 2 columns: Analyte, Result. Lists various fungi and bacteria 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.

Terpenes TESTED

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

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Terpenes		TESTED		
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	%	0.049	██████████
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	██████████
TRASCARYOPHYLLENE	0.005	%	0.075	██████████
VALENCENE	0.005	%	ND	██████████
Total	0.300			██████████

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