



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

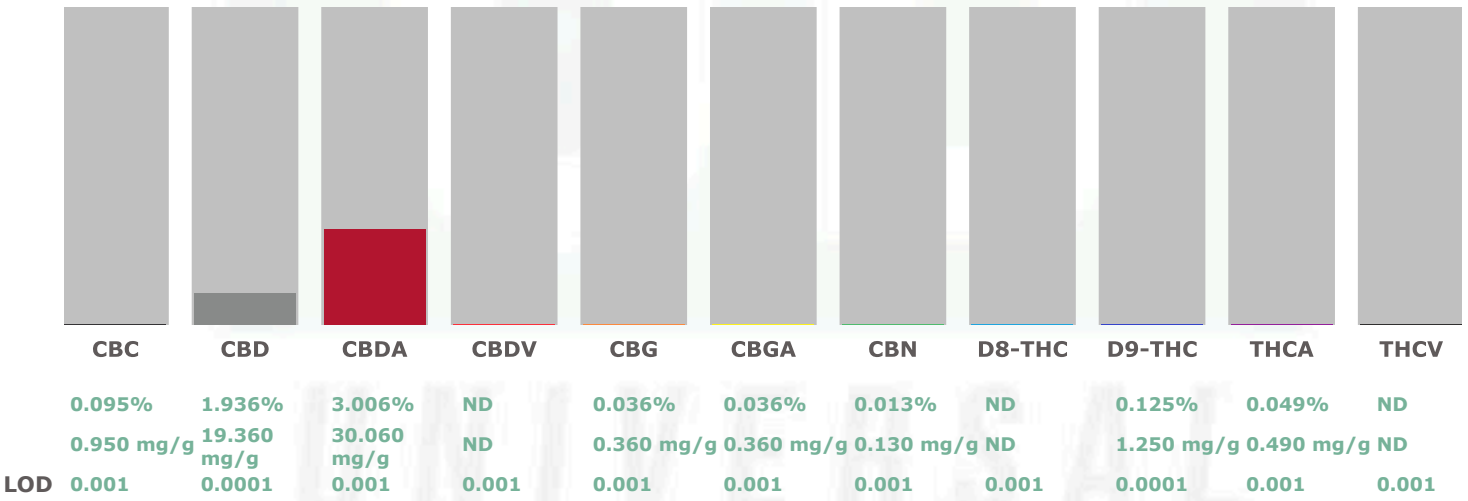
Mar 04, 2021 | Cornbread Hemp



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.

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

Signature

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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 (mostly 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). \*\*

Table for Mycotoxins with 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

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

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

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Signature (handwritten)

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Signed On



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**Email:** eric@cornbreadhemp.com



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Residual Solvents		<b>PASSED</b>			
Solvent	LLOQ	Result	Units	Action Level (PPM)	Pass/Fail
ACETONE	90.0	ND	ppm	5000	PASS
ACETONITRILE	7.2	ND	ppm	410	PASS
BUTANES (N-BUTANE)	50.0	ND	ppm	5000	PASS
ETHANOL	120.0	ND	ppm	5000	PASS
ETHYL ACETATE	48.0	ND	ppm	5000	PASS
ETHYL ETHER	60.0	ND	ppm	5000	PASS
HEPTANE	60.0	ND	ppm	5000	PASS
HEXANES	6.0	ND	ppm	290	PASS
METHANOL	30.0	ND	ppm	3000	PASS
PENTANES	90.0	ND	ppm	2500	PASS
PROPANE	80.0	ND	ppm	5000	PASS
TOLUENE	18.0	ND	ppm	1068	PASS
XYLENES	18.0	ND	ppm	2170	PASS
XYLENES-M (1,3-DIMETHYLBENZENE)	18.0	ND	ppm	2170	PASS
XYLENES-O (1,2-DIMETHYLBENZENE)	18.0	ND	ppm	2170	PASS
XYLENES-P (1,4-DIMETHYLBENZENE)	18.0	ND	ppm	2170	PASS

Heavy Metals		<b>PASSED</b>			
Metal	LLOQ	Result	Unit	Action Level	Pass / Fail
Mercury	0.02	ND	ppm	3	PASS

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		<b>PASSED</b>	
Analyte	Result		
ASPERGILLUS_FLAVUS .	not present in 1 gram.		
ASPERGILLUS_FUMIGATUS .	not present in 1 gram.		
ASPERGILLUS_NIGER .	not present in 1 gram.		
ASPERGILLUS_TERREUS_1J2 .	not present in 1 gram.		
ESCHERICHIA_COLI_SHIGELLA_SPP .	not present in 1 gram.		
SALMONELLA_SPECIFIC_GENE .	not present in 1 gram.		

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		<b>TESTED</b>		
Terpenes	LLOQ	Units	Result (%)	
3-CARENE	0.005	%	ND	██████████
ALPHA-BISABOLOL	0.005	%	0.110	██████████
ALPHA-CEDRENE	0.005	%	ND	██████████
ALPHA-HUMULENE	0.005	%	0.022	██████████
ALPHA-PHELLANDRENE	0.005	%	ND	██████████
ALPHA-PINENE	0.005	%	ND	██████████
ALPHA-TERPINENE	0.005	%	ND	██████████
BETA-MYRCENE	0.005	%	0.005	██████████
BETA-PINENE	0.005	%	ND	██████████
BORNEOL	0.005	%	ND	██████████
CAMPHENE	0.005	%	ND	██████████
CAMPHOR	0.005	%	ND	██████████
CARYOPHYLLENE Oxide	0.005	%	0.034	██████████
CEDROL	0.005	%	ND	██████████
CIS-NEROLIDOL	0.005	%	ND	██████████
EUCALYPTOL	0.005	%	0.005	██████████

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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	%	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
TRANSCARYOPHYLLENE	0.005	%	0.075
VALENCENE	0.005	%	ND
<b>Total</b>	0.300		

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