



Certificate of Analysis



Whole Flower CBD oil 1500mg
Matrix: Edible
Accession Number: 210211KA0002E
Harvest/Lot ID:
Seed to Sale: *
Batch Date: 02/11/21
Batch #: 212112 exp 09/22
Sample Size Received: 1 units
Retail Product Size: 30 units
Ordered: 02/11/21
Completed: 02/20/21
Expires: 02/15/22
Sampling Method: SOP Client Method

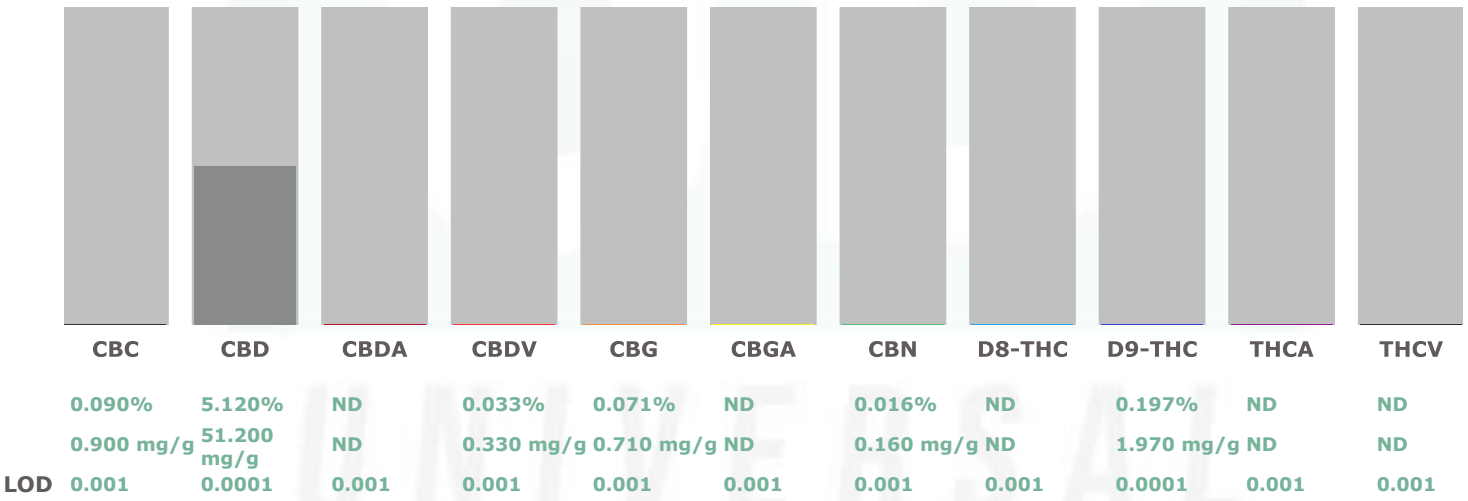
Feb 20,2021 | Cornbread Hemp



Louisville, KENTUCKY,
(502) 554-6857

CANNABINOID RESULTS

Table with 3 columns: Total THC (0.197%), Total CBD (5.120%), Total Cannabinoids (5.527%). 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

02/20/21

Signature

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 section with a large 'PASSED' result. Table with 12 columns: Analyte, LLOQ, Result, Units, Action Level, Pass / Fail. Lists Aflatoxin B1, Aflatoxin G1, Ochratoxin A+ and their 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 section with a large 'PASSED' result. Table with 6 columns: Solvent, LLOQ, Result, Units, Action Level (PPM), Pass/Fail. Lists 1,1-DICHLOROETHENE.

Heavy Metals section with a large 'PASSED' result. Table with 6 columns: Metal, LLOQ, Result, Unit, Action Level, Pass / Fail. Lists Arsenic, Cadmium, Lead.

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Signature (handwritten)

02/20/21

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Residual Solvents **PASSED**

Solvent	LLOQ	Result	Units	Action Level (PPM)	Pass/Fail
1,2-DICHLOROETHENE	0.24	ND	ppm	1870	PASS
2-PROPANOL	60.0	ND	ppm	5000	PASS
ACETONE	90.0	ND	ppm	5000	PASS
ACETONITRILE	7.2	ND	ppm	410	PASS
BUTANES (N-BUTANE)	50.0	ND	ppm	5000	PASS
CHLOROFORM	0.24	ND	ppm	60	PASS
DICHLOROMETHANE	15.0	ND	ppm	600	PASS
ETHANOL	120.0	ND	ppm	5000	PASS
ETHYL ACETATE	48.0	ND	ppm	5000	PASS
ETHYL ETHER	60.0	ND	ppm	5000	PASS
ETHYLENE OXIDE	0.6	ND	ppm	50	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
TRICHLOROETHENE	3.0	ND	ppm	80	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 **PASSED**

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 **PASSED**

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 **TESTED**

Terpenes	LLOQ	Units	Result (%)
3-CARENE	0.005	%	ND
ALPHA-BISABOLOL	0.005	%	0.023
ALPHA-CEDRENE	0.005	%	ND
ALPHA-HUMULENE	0.005	%	0.028
ALPHA-PHELLANDRENE	0.005	%	ND
ALPHA-PINENE	0.005	%	ND
ALPHA-TERPINENE	0.005	%	ND
BETA-MYRCENE	0.005	%	ND
BETA-PINENE	0.005	%	ND
BORNEOL	0.005	%	ND
CAMPHENE	0.005	%	ND
CAMPHOR	0.005	%	ND

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Terpenes		TESTED	
Terpenes	LLOQ	Units	Result (%)
CARYOPHYLLENE Oxide	0.005	%	0.014
CEDROL	0.005	%	ND
CIS-NEROLIDOL	0.005	%	ND
EUCALYPTOL	0.005	%	ND
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	%	0.058
VALENCENE	0.005	%	ND
Total	0.123		

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