



Certificate of Analysis



Whole Flower CBD Oil - 750mg

Matrix: Derivative

Accession Number: 041321UD0001

Harvest/Lot ID: 01

Seed to Sale: *

Batch Date: 04/12/21

Batch #: 492108

Sample Size Received: 30 ml

Retail Product Size: 30 ml

Ordered: 04/12/21

Completed: 04/16/21

Expires: 04/15/22

Sampling Method: SOP Client Method

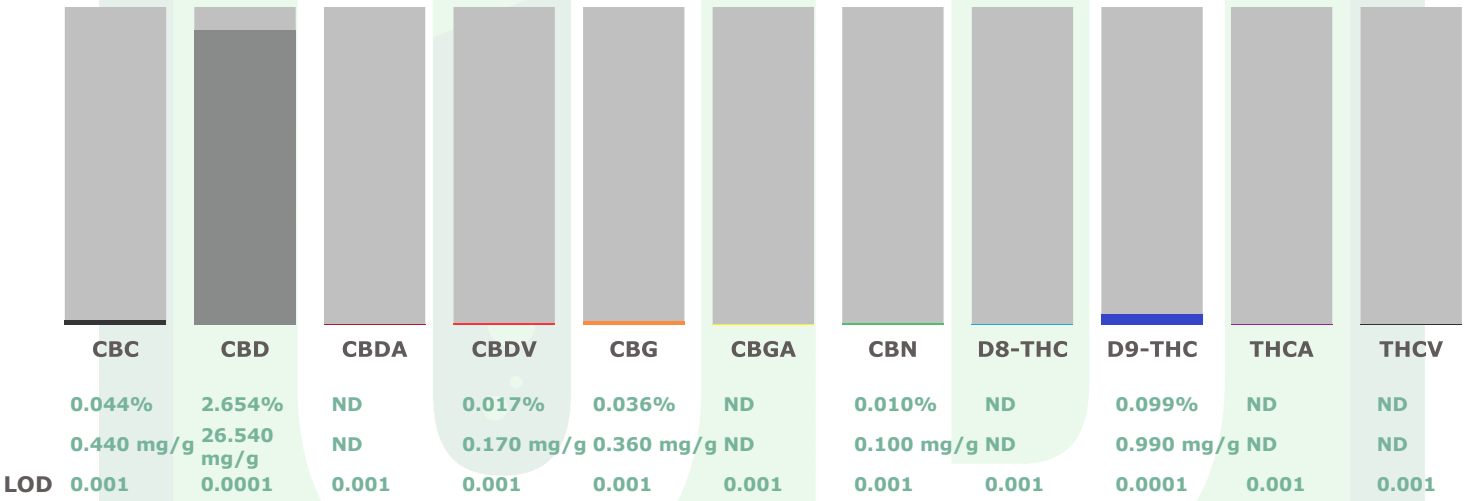
Apr 16, 2021 | Cornbread Hemp



Louisville, KENTUCKY,
(502) 554-6857

CANNABINOID RESULTS

Total THC 0.099% THC/Container :28.067 mg	Total CBD 2.654% CBD/Container :752.409 mg	Total Cannabinoids 2.860% Cannabinoids/Container :810.81 mg
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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) null

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
ISO Accreditation # PJLA
ISO17025

Signature

04/16/21

Signed On



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Table with 12 columns: Pesticides, LLOQ, Result, Units, Action Level, Pass / Fail. Includes a large 'PASSED' watermark and lists various pesticides such as SPINOSAD, AZOXYSTROBIN, DIMETHOATE, 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 lists mycotoxins such as Aflatoxin B2, Aflatoxin G2, Aflatoxin B1, etc.

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				
Solvent	LLOQ	Result	Units	Action Level (PPM)	Pass/Fail	
Heptane	40	ND	ppm	5000	PASS	
M/P-Xylene	80	ND	ppm	2170	PASS	
2-Propanol	60.0	ND	ppm	5000	PASS	
Hexane	40	ND	ppm	290	PASS	
Butane	200	ND	ppm	5000	PASS	
Ethyl Ether	40	ND	ppm	5000	PASS	
Acetonitrile	60	ND	ppm	410	PASS	
Toluene	40	ND	ppm	890	PASS	
Ethanol	80	ND	ppm	5000	PASS	
Total Xylenes	120	ND	ppm	2170	PASS	
O-Xylene	40	ND	ppm	2170	PASS	
Methanol	40	ND	ppm	3000	PASS	
Pentane	60	ND	ppm	5000	PASS	
Isobutane	200	ND	ppm	5000	PASS	
Ethyl Acetate	60	ND	ppm	5000	PASS	
Propane	400	ND	ppm	5000	PASS	
Acetone	60	ND	ppm	5000	PASS	

Heavy Metals		PASSED				
Metal	LLOQ	Result	Unit	Action Level	Pass / Fail	
Arsenic	0.2	ND	ppm	3	PASS	
Mercury	0.2	ND	ppm	3	PASS	
Lead	0.2	ND	ppm	10	PASS	
Cadmium	0.2	ND	ppm	0.3	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		
ESCHERICHIA_COLI_SHIGELLA_SPP .	not present in 1 gram.		
SALMONELLA_SPECIFIC_GENE .	not present in 1 gram.		
ASPERGILLUS_NIGER .	not present in 1 gram.		
ASPERGILLUS_FLAVUS .	not present in 1 gram.		
ASPERGILLUS_TERREUS_1J2 .	not present in 1 gram.		
ASPERGILLUS_FUMIGATUS .	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.

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Terpenes				TESTED			
Terpenes	LLOQ	Units	Result (%)	Terpenes	LLOQ	Units	Result (%)
3-CARENE	0.005	%	ND	ALPHA-BISABOLOL	0.005	%	0.018
ALPHA-CEDRENE	0.005	%	ND	ALPHA-HUMULENE	0.005	%	0.023
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
CARYOPHYLLENE Oxide	0.005	%	0.012	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	%	0.062
VALENCENE	0.005	%	ND				
Total					0.115		

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