



Certificate of Analysis

Sample: MO00528001-001
Harvest/Lot ID: 01
Seed to Sale #N/A
Batch Date :N/A
Batch#: CB05252012-01
Sample Size Received: 30 ml
Retail Product Size: 30 ml
Ordered : 05/26/20
Sampled : 05/26/20
Completed: 05/29/20 Expires: 05/29/21
Sampling Method: SOP Client Method

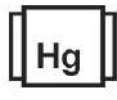
PASSED

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May 29, 2020 | Cornbread Hemp

 PO Box 4242 Louisville
 KENTUCKY, United States 40204

PRODUCT IMAGE SAFETY RESULTS

**Pesticides
PASSED**

**Heavy Metals
PASSED**

**Microbials
PASSED**

**Mycotoxins
PASSED**

**Residuals
Solvents
PASSED**

**Filtration
PASSED**

**Water Activity
NOT TESTED**

**Moisture
NOT TESTED**

**Terpenes
NOT TESTED**
MISC.
CANNABINOID RESULTS

**Total THC
0.234%**

**Total CBD
5.272%**

**Total Cannabinoids
5.665%**

Filtration PASSED

Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
9	NA	NA		NA

Analysis Method -SOP.T.40.013 Batch Date :
 Analytical Batch -NA Reviewed On - 05/29/20 09:11:06
 Instrument Used :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An 5H-2B/T Stereo Microscope is use for inspection.

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBVD	CBC	CBG	CBGA
0.234%	ND	5.260%	0.014%	ND	ND	0.012%	0.017%	0.062%	0.066%	ND
2.340 mg/g	ND	52.600 mg/g	0.140 mg/g	ND	ND	0.120 mg/g	0.170 mg/g	0.620 mg/g	0.660 mg/g	ND
LOD 0.0001 %	0.001 %	0.0001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
19	3.0096g	05/28/20 11:05:51	1

Analysis Method -SOP.T.40.020, SOP.T.30.050	Reviewed On - 05/28/20 15:32:55
Analytical Batch -MO000607POT Instrument Used : HPLC Potency Analyzer	Batch Date : 05/28/20 11:15:29

Reagent	Dilution	Consums. ID
103119.38 052120.R02 052120.R01	40	

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L). Measurement of Uncertainty: 2.7%

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David Greene
 Lab Director

 State License # 19-05-02P
 ISO Accreditation #
 17025:2017



Signature

05/29/2020

Signed On



Certificate of Analysis

PASSED

Cornbread Hemp

PO Box 4242 Louisville
KENTUCKY, United States 40204
Telephone: (502) 554-6857
Email: eric@cornbreadhemp.com

Sample : M000528001-001

Harvest/LOT ID: 01

Batch# : CB05252012-01 Sample Size Received : 30 ml
Sampled : 05/26/20 Completed : 05/29/20 Expires: 05/29/21
Ordered : 05/26/20 Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.020	ppm	0.5	ND
ACEPHATE	0.010	ppm	0.5	ND
ACEQUINOCYL	0.02	ppm	2	ND
ACETAMIPRID	0.010	ppm	0.2	ND
ALDICARB	0.020	ppm	0.4	ND
AZOXYSTROBIN	0.010	ppm	0.2	ND
BIFENAZATE	0.010	ppm	0.2	ND
BIFENTHRIN	0.010	ppm	0.2	ND
BOSCALID	0.005	ppm	0.4	ND
CARBARYL	0.010	ppm	0.2	ND
CARBOFURAN	0.010	ppm	0.2	ND
CHLORANTRANILIPROLE	0.010	ppm	0.2	ND
CHLORPYRIFOS	0.010	ppm	0.2	ND
CLOFENTEZINE	0.010	ppm	0.2	ND
COUMAPHOS	0.005	ppm	0.2	ND
CYPERMETHRIN	0.010	ppm	1	ND
DAMINOZIDE	0.010	ppm	1	ND
DIAZANON	0.010	ppm	0.2	ND
DICHLORVOS	0.050	ppm	0.1	ND
DIMETHOATE	0.010	ppm	0.2	ND
DIMETHOMORPH	0.005	ppm	0.1	ND
ETHOPROPHOS	0.010	ppm	0.2	ND
ETOFENPROX	0.010	ppm	0.4	ND
ETOXAZOLE	0.010	ppm	0.2	ND
FENHEXAMID	0.005	ppm	0.1	ND
FENOXYCARB	0.010	ppm	0.2	ND
FENPYROXIMATE	0.010	ppm	0.4	ND
FIPRONIL	0.020	ppm	0.4	ND
FLONICAMID	0.010	ppm	1	ND
FLUDIOXONIL	0.010	ppm	0.4	ND
HEXYTHIAZOX	0.010	ppm	1	ND
IMAZALIL	0.010	ppm	0.2	ND
IMIDACLOPRID	0.010	ppm	0.4	ND
KRESOXIM-METHYL	0.010	ppm	0.4	ND
MALATHION	0.010	ppm	0.2	ND
METALAXYL	0.010	ppm	0.2	ND
METHIOCARB	0.010	ppm	0.2	ND
METHOMYL	0.010	ppm	0.6	ND
MEVINPHOS	0.010	ppm	0.1	ND
MYCLOBUTANIL	0.010	ppm	0.2	ND
NALED	0.010	ppm	0.5	ND

Pesticides	LOD	Units	Action Level	Result
OXAMYL	0.010	ppm	1	ND
PACLOBUTRAZOL	0.010	ppm	0.4	ND
PERMETHRINS	0.050	ppm	1	ND
PHOSMET	0.010	ppm	0.2	ND
PIPERONYL BUTOXIDE	0.010	ppm	3	ND
PRALLETHRIN	0.050	ppm	0.2	ND
PROPICONAZOLE	0.010	ppm	0.4	ND
PROPOXUR	0.010	ppm	0.2	ND
PYRETHRIN I	0.010	ppm	1	ND
PYRIDABEN	0.005	ppm	0.2	ND
SPINETORAM	0.005	ppm	0.5	ND
SPINOSAD (SPINOSYN A)	0.010	ppm	0.2	ND
SPINOSAD (SPINOSYN D)	0.010	ppm	0.2	ND
SPIROMESIFEN	0.010	ppm	0.2	ND
SPIROTETRAMAT	0.020	ppm	0.2	ND
SPIROXAMINE	0.010	ppm	0.4	ND
TEBUCONAZOLE	0.010	ppm	0.4	ND
THIACLOPRID	0.010	ppm	0.2	ND
THIAMETHOXAM	0.010	ppm	0.5	ND
TRIFLOXYSTROBIN	0.010	ppm	0.2	ND



Pesticides

PASSED

Analyzed by 9	Weight 1.0061g	Extraction date 05/29/20 09:05:51	Extracted By 9
Analysis Method - SOP.T.30.060, SOP.T.40.060 ,		Reviewed On - 05/29/20 09:11:06	
Analytical Batch - M0000608PES			
Instrument Used : LCMSMS 8060 P			
Batch Date : 05/28/20 14:59:27			

Reagent	Dilution	Consums. ID
020420.07		00280227
103019.37		931CC
103019.35		04272019
103019.33		
103019.31		

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). *

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David Greene
Lab Director

State License # 19-05-02P
ISO Accreditation #
17025:2017



Signature

05/29/2020

Signed On



Certificate of Analysis

PASSED

Cornbread Hemp

PO Box 4242 Louisville
KENTUCKY, United States 40204
Telephone: (502) 554-6857
Email: eric@cornbreadhemp.com

Sample : M000528001-001

Harvest/LOT ID: 01

Batch# : CB05252012-01 Sample Size Received : 30 ml

Sampled : 05/26/20

Completed : 05/29/20 Expires: 05/29/21

Ordered : 05/26/20

Sample Method : SOP Client Method

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Residual Solvents

PASSED



Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
TRICHLOROETHENE	3	ppm	80	PASS	ND
CHLOROFORM	0.24	ppm	60	PASS	ND
1,2-DICHLOROETHENE	0.24	ppm	1870	PASS	ND
1,1-DICHLOROETHENE	2	ppm	8	PASS	ND
PENTANES	90	ppm	2500	PASS	ND
BUTANES (N-BUTANE)	50	ppm	5000	PASS	ND
ACETONITRILE	7.2	ppm	410	PASS	ND
ACETONE	90	ppm	5000	PASS	ND
2-PROPANOL	60	ppm	5000	PASS	ND
HEXANES	6	ppm	290	PASS	ND
XYLENES	18	ppm	2170	PASS	ND
TOLUENE	18	ppm	1068	PASS	ND
PROPANE	80	ppm	5000	PASS	ND
METHANOL	30	ppm	3000	PASS	ND
XYLENES-P (1,4-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
HEPTANE	60	ppm	5000	PASS	ND
XYLENES-M (1,3-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYLENE OXIDE	0.6	ppm	50	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYL ETHER	60	ppm	5000	PASS	ND
ETHYL ACETATE	48	ppm	5000	PASS	ND
DICHLOROMETHANE	15	ppm	600	PASS	ND
ETHANOL	120	ppm	5000	PASS	ND

Analyzed by 18 **Weight** 0.032g **Extraction date** 05/28/20 09:05:06 **Extracted By** 18
Analysis Method -SOP.T.40.032
Analytical Batch -M0000605SOL **Reviewed On - 05/28/20 11:58:45**
Instrument Used : GCMS2010
Batch Date : 05/28/20 09:47:50

Reagent	Dilution	Consums. ID
Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 33 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).		

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David Greene
Lab Director



05/29/2020

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Certificate of Analysis

PASSED

Cornbread Hemp

PO Box 4242 Louisville
KENTUCKY, United States 40204
Telephone: (502) 554-6857
Email: eric@cornbreadhemp.com

Sample : M000528001-001

Harvest/LOT ID: 01

Batch# : CB05252012-01 **Sample Size Received :** 30 ml
Sampled : 05/26/20 **Completed :** 05/29/20 **Expires:** 05/29/21
Ordered : 05/26/20 **Sample Method :** SOP Client Method

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Mycotoxins
PASSED

Hg

Heavy Metals

PASSED

Analyte	LOD	Units	Result	Action Level (PPM)	Reagent
AFLATOXIN G2	0.001	ppm	ND	0.02	110119.52
AFLATOXIN G1	0.001	ppm	ND	0.02	110119.44
AFLATOXIN B2	0.001	ppm	ND	0.02	112519.01
AFLATOXIN B1	0.001	ppm	ND	0.02	110119.36
OCHRATOXIN A+	0.001	ppm	ND	0.02	

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -M0000609MYC | Reviewed On - 05/29/20 09:09:25
Instrument Used :
Batch Date : 05/28/20 15:00:38

Analyzed by	Weight	Extraction date	Extracted By
9	1g	05/29/20 09:05:57	9

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T.40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg.

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	ppm	ND	10
CADMIUM	0.02	ppm	ND	4.1
LEAD	0.02	ppm	ND	10
MERCURY	0.02	ppm	ND	2

Analyzed by	Weight	Extraction date	Extracted By
18	0.506g	05/28/20 09:05:59	18

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -M0000604HEA | Reviewed On - 05/28/20 11:06:12
Instrument Used : ICP-MS 2030
Batch Date : 05/28/20 09:45:14

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_TERREUS_IJ2	not present in 1 gram.
ASPERGILLUS_NIGER	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	not present in 1 gram.
ASPERGILLUS_FLAVUS	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	not present in 1 gram.

Analysis Method -SOP.T.40.043
Analytical Batch -NA | Reviewed On - 05/29/20 14:20:27
Instrument Used :
Batch Date :

Analyzed by	Weight	Extraction date	Extracted By
NA	NA	NA	NA

Reagent	Dilution	Consums. ID

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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Lab Director



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