



Certificate of Analysis

SAMPLE:DA00116015-003

Harvest/Lot ID: M04V01

Seed to Sale #N/A

Batch Date :N/A

Batch#: BRMR0081/19

Sample Size Received: 30

Ordered : 01/15/20

Sampled : 01/15/20

Completed: 01/20/20 Expires: 01/20/21

Sampling Method: SOP Client Method

PASSED

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Jan 20, 2020 | Botanical-cbd LLC

15426 SW 31st Ln Miami, Florida 33185 Florida
Miami, Dade County 33186



PRODUCT IMAGE SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals
Solvents
NOT TESTED



Filtration
PASSED



Water Activity
PASSED



Moisture
PASSED



Terpenes
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.000%
THC/Container :0.00 mg



Total CBD
1.704%
CBD/Container :511.20 mg



Total Cannabinoids
1.704%

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	THCA	D9-THC
ND	ND	ND	ND	ND	ND	ND	ND	1.704 %	ND	ND
ND	ND	ND	ND	ND	ND	ND	ND	17.040 mg/g	ND	ND
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	0.001	0.0001

Filtration PASSED

Analyte	Weight	Extraction date	LOD	Extracted By
584	1g	01/17/20		584

Analysis Method -SOP.T.40.013
Analytical Batch -DA009531FIL
Instrument Used :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-28/T Stereo Microscope is use for inspection.

Water Activity PASSED

Analyte	Analyzed by	Weight	Extraction date	LOD	Result
WATER ACTIVITY	584	1g	01/17/20	0.1	0.358 aW

Analysis Method -Water Activity SOP.T.40.010
Analytical Batch -DA009530WAT
Instrument Used :

Moisture PASSED

Analyte	Analyzed by	Weight	Extraction date	LOD	Result
MOISTURE CONTENT	584	0.566g	01/17/20	1	1.410 %

Analysis Method -Moisture Analysis SOP.T.40.011
Analytical Batch -DA009529MOI
Instrument Used :

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	2.9570g	01/17/20	965

Analysis Method -SOP.T.40.020, SOP.T.30.050
Analytical Batch -DA009523POT Instrument Used : DA-LC-003
Batch Date : 01/17/20

Reagent	Dilution	Consums. ID
123019.R09 011420.R09 011420.R08	400	76124-662 SFN-BX-1025 849C4-849AK 840C6-840H

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).

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Jorge Segredo
Lab Director
State License # n/a
ISO Accreditation # 97164



Signature

01/20/2020

Signed On

Certificate of Analysis

PASSED

Botanical-cbd LLC
15426 SW 31st Ln Miami, Florida 33185
Florida
Miami, Dade County 33186
Telephone: 305-988-9570
Email: info@botanical-cbd.com

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Pesticides

PASSED

Pesticides	LOD	Action Level	Units	Result	Pesticides	LOD	Action Level	Units	Result
CHLORDANE	0.005	0.1	ppm	ND	METHOMYL	0.01	0.1	ppm	ND
CAPTAN	0.05	3	ppm	ND	KRESOXIM-METHYL	0.01	1	ppm	ND
BOSCALID	0.01	3	PPM	ND	DIAZANON	0.01	0.2	ppm	ND
DIMETHOATE	0.01	0.1	ppm	ND	CYPERMETHRIN	0.01	1	ppm	ND
AZOXYSTROBIN	0.01	3	ppm	ND	MEVINPHOS	0.01	0.1	ppm	ND
ABAMECTIN B1A	0.02	0.3	ppm	ND	MYCLOBUTANIL	0.01	3	ppm	ND
CIS-PERMETHRIN	0.05	1	ppm	ND	NALED	0.01	0.5	ppm	ND
SPINETORAM	0.01	3	PPM	ND	OXAMYL	0.01	0.5	ppm	ND
ACEPHATE	0.001	3	ppm	ND	PACLOBUTRAZOL	0.01	0.1	ppm	ND
FENOXYCARB	0.01	0.1	ppm	ND	TRANS-PERMETHRIN	0.05	1	ppm	ND
DIMETHOMORPH	0.005	3	ppm	ND	PHOSMET	0.01	0.2	ppm	ND
BIFENAZATE	0.01	3	ppm	ND	PIPERONYL BUTOXIDE	0.01	3	ppm	ND
ETHOPROPHOS	0.01	0.1	ppm	ND	PRALLETHRIN	0.05	0.4	ppm	ND
ACEQUINOCYL	0.01	2	ppm	ND	PROPICONAZOLE	0.01	1	ppm	ND
ACETAMIPRID	0.01	3	ppm	ND	PROPOXUR	0.01	0.1	ppm	ND
ETOFENPROX	0.01	0.1	ppm	ND	PYRETHRIN I	0.01	1	ppm	ND
BIFENTHRIN	0.01	0.5	ppm	ND	PYRIDABEN	0.01	3	ppm	ND
ALDICARB	0.02	0.1	ppm	ND	SPINOSAD (SPINOSYN A)	0.01	3	ppm	ND
ETOXAZOLE	0.01	1.5	ppm	ND	SPINOSAD (SPINOSYN D)	0.01	3	ppm	ND
FENPYROXIMATE	0.01	2	ppm	ND	SPIROMESIFEN	0.01	3	ppm	ND
FIPRONIL	0.02	0.1	ppm	ND	SPIROTETRAMAT	0.02	3	ppm	ND
FENHEXAMID	0.01	3	ppm	ND	SPIROXAMINE	0.01	0.1	ppm	ND
CARBARYL	0.01	0.5	ppm	ND	TEBUCONAZOLE	0.01	1	ppm	ND
CARBOFURAN	0.01	0.1	ppm	ND	THIACLOPRID	0.01	0.1	ppm	ND
FLONICAMID	0.01	2	ppm	ND	THIAMETHOXAM	0.01	1	ppm	ND
FLUDIOXONIL	0.01	3	ppm	ND	TRIFLOXYSTROBIN	0.01	3	ppm	ND
CHLORFENAPYR	0.01	0.1	ppm	ND					
CHLORANTRANILIPROLE	0.01	3	ppm	ND					
HEXYTHIAZOX	0.01	2	ppm	ND					
CHLORPYRIFOS	0.01	0.1	ppm	ND					
IMAZALIL	0.01	0.1	ppm	ND					
MALATHION	0.01	2	ppm	ND					
CLOFENTEZINE	0.01	0.5	ppm	ND					
DAMINOZIDE	0.02	0.1	ppm	ND					
IMIDACLOPRID	0.01	3	ppm	ND					
METALAXYL	0.01	3	ppm	ND					
DICHLORVOS	0.05	0.1	ppm	ND					
METHIOCARB	0.01	0.1	ppm	ND					
COUMAPHOS	0.005	0.1	ppm	ND					



Pesticides

PASSED

Analyzed by 585	Weight 1.0666g	Extraction date 01/17/20	Extracted By 1082
Analysis Method -SOP.T.30.065, SOP.T.40.065			
Analytical Batch - DA009517PES			
Instrument Used : LCMS E-SHI-039			
Batch Date : 01/17/20			
Reagent 101519.04 011020.809 011010.810	Dilution	Consums. ID 180711	
SOP.T.30.065, SOP.T.40.065			

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Mycotoxins
PASSED

Hg

Heavy Metals
PASSED

Analyte	LOD	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ND	
AFLATOXIN G1	0.002	ND	
AFLATOXIN B2	0.002	ND	
AFLATOXIN B1	0.002	ND	
OCHRATOXIN A+	0.002	ND	0.02
TOTAL AFLATOXINS	0.02	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA009518
Instrument Used : LCMS E-SHI-039
Batch Date : 01/17/20

Analyzed by 585 **Weight** 1g **Extraction date** NA **Extracted By** NA

Reagent	Dilution	Consums. ID
011620.R14	50	
011520.R04		
011520.R03		
011520.R01		
011620.R01		
010220.R04		

Metal	LOD	Result	Action Level (PPM)
ARSENIC	0.01	ND	1.5
CADMIUM	0.01	ND	0.5
LEAD	0.01	ND	0.5
MERCURY	0.01	ND	3



Microbials
PASSED

Analyte	LOD	Result
ASPERGILLUS_FLAVUS	10000	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	10000	not present in 1 gram.
ASPERGILLUS_NIGER	10000	not present in 1 gram.
ASPERGILLUS_TERREUS	10000	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	10000	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	10000	not present in 1 gram.

Analysis Method -SOP.T.40.043
Analytical Batch -DA009513MIC
Instrument Used : PathogenDX PCR_Array Scanner
Batch Date : 01/17/20

Analyzed by 513 **Weight** 1.0428g **Extraction date** 01/17/20 **Extracted By** 1082

Analyzed by 53 **Weight** 0.2554g **Extraction date** 01/17/20 **Extracted By** 457
Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA009509HEA
Instrument Used : ICPMS-2030
Batch Date : 01/17/20

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.

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