

Certificate of Analysis

Sample: M001117014-001

Harvest/Lot ID: 1

Seed to Sale #N/A

Batch Date : 11/11/20

Batch#: 004

Sample Size Received: 10 gram

Retail Product Size: 1000

Ordered : 11/13/20

Sampled : 11/13/20

Completed: 11/23/20 Expires: 11/23/21

Sampling Method: SOP Client Method

Nov 23, 2020 |

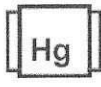
PASSED

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PRODUCT IMAGE SAFETY RESULTS



Pesticides
NOT TESTED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



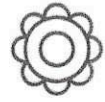
Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.000%



Total CBD
98.279%



Total Cannabinoids
99.158%

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
ND	ND	98.279%	ND	ND	ND	ND	0.547%	ND	0.332%	ND
ND	ND	982.790 mg/g	ND	ND	ND	ND	5.470 mg/g	ND	3.320 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
%	%	%	%	%	%	%	%	%	%	%

Filtration PASSED

Analyzed By	Weight	Extraction date	Extracted By
564	NA	NA	NA
Analyte			LOD
Filtration and Foreign Material			0.3
Analysis Method -SOP.T.40.013		Batch Date :	
Analytical Batch -NA		Reviewed On - 11/23/20 16:05:16	
Instrument Used :			
Running On :			

This includes but is not limited to: insects, feces, packaging contaminants, and manufacturing waste and by-products. An 80-200 micron sieve is used for filtration.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
19	0.1025g	NA	TC
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 11/23/20 16:08:37	Batch Date : 11/17/20 15:57:12
Analytical Batch -M0001420POT		Instrument Used : HPLC Potency Analyzer	Running On :

Reagent	Dilution	Consums. ID

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 #97164



Signature

11/23/2020
Signed On

Certificate of Analysis

PASSED

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Harvest/LOT ID : 1

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Sample Size Received : 10 gram

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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	2.5	ppm	80	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
1,2-DICHLOROETHENE	187	ppm	1870	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
PENTANES	250	ppm	2500	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
ACETONITRILE	41	ppm	410	PASS	ND
ACETONE	500	ppm	5000	PASS	ND
2-PROPANOL	500	ppm	5000	PASS	ND
HEXANES	29	ppm	290	PASS	ND
XYLENES	217	ppm	2170	PASS	ND
TOLUENE	106.8	ppm	1068	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
METHANOL	30	ppm	3000	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
XYLENES-P (1,4-DIMETHYLBENZENE)	217	ppm	2170	PASS	ND
ETHYLENE OXIDE	5	ppm	50	PASS	ND
XYLENES-M (1,3-DIMETHYLBENZENE)	217	ppm	2170	PASS	ND
ETHYL ETHER	500	ppm	5000	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	217	ppm	2170	PASS	ND
ETHYL ACETATE	48	ppm	5000	PASS	ND
ETHANOL	120	ppm	5000	PASS	511.000
DICHLOROMETHANE	60	ppm	600	PASS	ND

Analyzed by 18 Weight 0.024g Extraction date 11/18/20 08:11:44 Extracted By 18
 Analysis Method -SOP.T.40.032
 Analytical Batch -MO001424SOL Reviewed On - 11/18/20 09:38:35
 Instrument Used : GCMS2010
 Running On :
 Batch Date : 11/18/20 08:59:28

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

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11/23/2020

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673 N. Bardstown Rd
Mount Washington, KY, 40047, US

Kaycha Labs

.....
broad spectrum high cbd
N/A
Matrix : Derivative

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Sample Method : SOP Client Method

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Microbials

PASSED



Mycotoxins

PASSED

Analyte	LOD	Result	Analyte	LOD	Units	Result	Action Level (PPM)
ASPERGILLUS_TERREUS_1J2		not present in 1 gram.	AFLATOXIN G2	0.001	ppm	ND	0.02
ASPERGILLUS_NIGER		not present in 1 gram.	AFLATOXIN G1	0.001	ppm	ND	0.02
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	AFLATOXIN B2	0.001	ppm	ND	0.02
ASPERGILLUS_FLAVUS		not present in 1 gram.	AFLATOXIN B1	0.001	ppm	ND	0.02
SALMONELLA_SPECIFIC_GENE		not present in 1 gram	OCHRATOXIN A+	0.001	ppm	ND	0.02
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram					

Analysis Method -SOP.T.40.043

Analytical Batch -NA Batch Date :

Instrument Used :

Running On :

Analyzed by	Weight	Extraction date	Extracted By
NA	NA	NA	NA

Analysis Method -SOP.T.30.060, SOP.T.40.060

Analytical Batch -MO001432MYC | Reviewed On - 11/19/20 09:52:47

Instrument Used :

Running On :

Batch Date : 11/18/20 15:07:52

Analyzed by	Weight	Extraction date	Extracted By
564	0.489g	11/18/20 03:11:00	564

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.

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 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg.



Heavy Metals

PASSED

Reagent

110119.52
110119.44
112519.01
110119.36

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	0.480g	11/18/20 08:11:43	18

Analysis Method -SOP.T.40.050, SOP.T.30.052

Analytical Batch -MO001422HEA | Reviewed On - 11/18/20 11:00:29

Instrument Used : ICP-MS 2030

Running On :

Batch Date : 11/18/20 08:57:02

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.

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