



# Certificate of Analysis

Sample: MO01013041-001  
Harvest/Lot ID: zone 5  
Seed to Sale #N/A  
Batch Date :N/A  
Batch#: 10

Sample Size Received: 10 gram  
Retail Product Size: 10  
Ordered : 10/12/20  
Sampled : 10/12/20  
Completed: 10/16/20 Expires: 10/16/21  
Sampling Method: SOP Client Method

Oct 16, 2020 | Made By A Farmer

8275 Scio Church rd  
Ann Arbor, MI, 48103, US



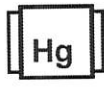
**PASSED**

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PRODUCT IMAGE SAFETY RESULTS



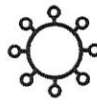
Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals Solvents  
NOT TESTED



Filtration  
**PASSED**



Water Activity  
NOT TESTED



Moisture  
**PASSED**



Terpenes  
**TESTED**

MISC.

CANNABINOID RESULTS



Total THC  
**0.177%**



Total CBD  
**0.053%**



Total Cannabinoids  
**16.647%**



Filtration

**PASSED**

Analyzed By: 9 Weight: 1g Extraction date: 10/13/20 LOD(ppm): 9 Extracted By: 9

Analysis Method -SOP.T.40.013 Batch Date : 10/13/20 14:26:29  
Analytical Batch -MO001256FIL Reviewed On - 10/14/20 15:31:24  
Instrument Used : Microscope  
Running On :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An 516-287T Stere Microscope is used for inspection.



Moisture

**PASSED**

Analyte: MOISTURE CONTENT Analyzed by Weight: 9 Ext. date: 10/13/20 LOD: % A.L: 25.490 % Result: 25.490 %

Analysis Method -SOP.T.40.011 Batch Date : 10/13/20 14:28:05  
Analytical Batch -MO001257MOI Reviewed On - 10/13/20 16:13:45  
Instrument Used : Moisture Balance  
Running On :

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
0.055%	0.140%	ND	0.061%	ND	ND	ND	ND	0.200%	0.600%	15.591%
0.550 mg/g	1.400 mg/g	ND	0.610 mg/g	ND	ND	ND	ND	2.000 mg/g	6.000 mg/g	155.910 mg/g
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: 19 Weight: 0.2051g Extraction date: 10/14/20 04:10:52 Extracted By: 19  
Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 10/15/20 09:25:40 Batch Date : 10/14/20 16:30:34  
Analytical Batch -MO001268POT Instrument Used : HPLC Potency Analyzer Running On :

Reagent Dilution Consums. ID

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 #97164



Signature

10/16/2020

Signed On



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

Kaycha Labs

10  
N/A  
Matrix : Flower



# Certificate of Analysis

**PASSED**

Made By A Farmer

8275 Scio Church rd  
Ann Arbor, MI, 48103, US  
Telephone: 7344763114  
Email: ryan.valik@gmail.com

Sample : MO01013041-001  
Harvest/LOT ID: zone 5

Batch# : 10  
Sampled : 10/12/20  
Ordered : 10/12/20

Sample Size Received : 10 gram  
Completed : 10/16/20 Expires: 10/16/21  
Sample Method : SOP Client Method

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## Terpenes

**TESTED**

Terpenes	LOD	Units	Result (%)	Terpenes	LOD	Units	Result (%)
ALPHA-PHELLANDRENE	0.005	%	ND	CIS-NEROLIDOL	0.005	%	ND
FENCHONE	0.01	%	ND	3-CARENE	0.005	%	ND
GAMMA-TERPINENE	0.005	%	ND	FENCHYL ALCOHOL	0.005	%	ND
GERANIOL	0.005	%	ND	HEXAHYDROT HYMOL	0.005	%	ND
GERANYL ACETATE	0.01	%	ND	EUCALYPTOL	0.005	%	ND
GUAJOL	0.005	%	0.034	ISOBORNEOL	0.005	%	ND
LIMONENE	0.005	%	0.008				
LINALOOL	0.01	%	ND				
NEROL	0.005	%	ND				
OCIMENE	0.005	%	ND				
PULEGONE	0.005	%	ND				
SABINENE	0.005	%	ND				
SABINENE HYDRATE	0.01	%	ND				
TERPINEOL	0.005	%	ND				
TERPINOLENE	0.005	%	ND				
TRANS-CARYOPHYLLENE	0.005	%	0.072				
TRANS-NEROLIDOL	0.005	%	ND				
VALENCENE	0.005	%	0.005				
CEDROL	0.005	%	ND				
ALPHA-HUMULENE	0.005	%	0.025				
ALPHA-PINENE	0.005	%	ND				
ALPHA-TERPINENE	0.005	%	ND				
BETA-MYRCENE	0.005	%	0.009				
BETA-PINENE	0.005	%	ND				
BORNEOL	0.01	%	ND				
CAMPHENE	0.005	%	ND				
CAMPHOR	0.01	%	ND				
CARYOPHYLLENE OXIDE	0.005	%	0.007				
ALPHA-CEDRENE	0.005	%	ND				
ALPHA-BISABOLOL	0.005	%	0.051				
ISOPULEGOL	0.01	%	ND				
<b>Total</b>			<b>0.211</b>				



## Terpenes

**TESTED**

Analyzed by 18 Weight 1.058g Extraction date 10/14/20 01:10:19 Extracted By 18

Analysis Method -SOP.T.40.090  
Analytical Batch -MO001266TER Reviewed On - 10/15/20 10:07:38  
Instrument Used : GCMS8050 with Liquid Handler  
Running On :  
Batch Date : 10/14/20 13:43:27

Reagent Dilution Consums. ID

Terpenoid profile screening is performed using GC-MS/MS TQ-8040 with Liquid Injection (Gas Chromatography - Mass Spectrometer Triple Quad) which can screen 37 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC-MS/MS.

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David Greene  
Lab Director

State License # 19-05-02P  
ISO Accreditation #  
17025:2017 #97164

Signature

10/16/2020

Signed On



# Certificate of Analysis

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8275 Scio Church rd  
Ann Arbor, MI, 48103, US  
Telephone: 7344763114  
Email: ryan.valik@gmail.com

Sample : M001013041-001  
Harvest/LOT ID: zone 5

Batch# : 10  
Sampled : 10/12/20  
Ordered : 10/12/20

Sample Size Received : 10 gram  
Completed : 10/16/20 Expires: 10/16/21  
Sample Method : SOP Client Method

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## Pesticides

**PASSED**

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.020	ppm	0.5	ND	PRALLETHRIN	0.050	ppm	0.2	ND
ACEPHATE	0.010	ppm	0.5	ND	PROPICONAZOLE	0.010	ppm	0.4	ND
ACEQUINOCYL	0.02	ppm	2	ND	PROPOXUR	0.010	ppm	0.2	ND
ACETAMIPRID	0.010	ppm	0.2	ND	PYRETHRIN I	0.010	ppm	1	ND
ALDICARB	0.020	ppm	0.4	ND	PYRIDABEN	0.005	ppm	0.2	ND
AZOXYSTROBIN	0.010	ppm	0.2	ND	SPINETORAM	0.005	ppm	0.5	ND
BIFENAZATE	0.010	ppm	0.2	ND	SPINOSAD (SPINOSYN A)	0.010	ppm	0.2	ND
BIFENTHRIN	0.010	ppm	0.2	ND	SPINOSAD (SPINOSYN D)	0.010	ppm	0.2	ND
BOSCALID	0.005	ppm	0.4	ND	SPIROMESIFEN	0.010	ppm	0.2	ND
CARBARYL	0.010	ppm	0.2	ND	SPIROTETRAMAT	0.020	ppm	0.2	ND
CARBOFURAN	0.010	ppm	0.2	ND	SPIROXAMINE	0.010	ppm	0.4	ND
CHLORANTRANILIPROLE	0.010	ppm	0.2	ND	TEBUCONAZOLE	0.010	ppm	0.4	ND
CHLORPYRIFOS	0.010	ppm	0.2	ND	THIACLOPRID	0.010	ppm	0.2	ND
CLOFENTEZINE	0.010	ppm	0.2	ND	THIAMETHOXAM	0.010	ppm	0.5	ND
COUMAPHOS	0.005	ppm	0.2	ND	TRIFLOXYSTROBIN	0.010	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					
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					



## Pesticides

**PASSED**

Analyzed by 1 Weight 0.499g Extraction date 10/15/20 10:10:31 Extracted By 9

Analysis Method - SOP.T.30.060, SOP.T.40.060 ,  
Analytical Batch - M0001252PES Reviewed On- 10/14/20 15:31:24  
Instrument Used : LCMSMS 8060 P  
Running On :  
Batch Date : 10/13/20 14:05:00

Reagent	Dilution	Consums. ID
100019.00		03-339-238
100019.07		03-339-230
100019.15		190711060
100019.34		64272919
100019.32		

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 #97164



Signature

10/16/2020

Signed On



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

Kaycha Labs

.....  
10  
N/A  
Matrix : Flower



**PASSED**

# Certificate of Analysis

Made By A Farmer

8275 Scio Church rd  
Ann Arbor, MI, 48103, US  
Telephone: 7344763114  
Email: ryan.valik@gmail.com

Sample : MO01013041-001

Harvest/LOT ID: zone 5

Batch# : 10  
Sampled : 10/12/20  
Ordered : 10/12/20

Sample Size Received : 10 gram  
Completed : 10/16/20 Expires: 10/16/21  
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.					
TOTAL_YEAST_AND_MOLD		11000					

Analysis Method -SOP.T.40.043  
Analytical Batch -NA Batch Date :  
Instrument Used :  
Running On :

Analysis Method -SOP.T.30.060, SOP.T.40.060  
Analytical Batch -MO001255MYC | Reviewed On - 10/16/20 10:18:22  
Instrument Used :  
Running On :  
Batch Date : 10/13/20 14:06:55

Analyzed by	Weight	Extraction date	Extracted By
NA	NA	NA	NA

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

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	0.390	4.1
LEAD	0.02	ppm	ND	10
MERCURY	0.02	ppm	ND	2

Analyzed by	Weight	Extraction date	Extracted By
18	0.488g	10/14/20 12:10:59	18

Analysis Method -SOP.T.40.050, SOP.T.30.052  
Analytical Batch -MO001262HEA | Reviewed On - 10/14/20 14:50:32  
Instrument Used : ICP-MS 2030  
Running On :  
Batch Date : 10/14/20 12:11:00

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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