

Certificate of Analysis

Sample:MO01016007-001

Harvest/Lot ID: 1

Seed to Sale #N/A

Batch Date :10/13/20

Batch#: 004

Sample Size Received: 10 gram

Retail Product Size: 1000

Ordered : 10/15/20

Sampled : 10/15/20

Completed: 10/21/20 Expires: 10/21/21

Sampling Method: SOP Client Method

Oct 21, 2020 |

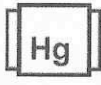
PASSED

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PRODUCT IMAGE SAFETY RESULTS



Pesticides
NOT TESTED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



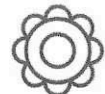
Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.000%



Total CBD
99.494%



Total Cannabinoids
99.906%



| D9-THC | THCA | CBD | CBDa | D8-THC | THCV | CBN | CBDV | CBC | CBG | CBGA |
|------------|-------|--------------|-------|--------|-------|-------|------------|-------|-------|-------|
| ND | ND | 99.494% | ND | ND | ND | ND | 0.412% | ND | ND | ND |
| ND | ND | 994.940 mg/g | ND | ND | ND | ND | 4.120 mg/g | ND | ND | 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 | LOD(ppm) | Extracted By |
|-------------|--------|-----------------|----------|--------------|
| 1 | 1g | 10/16/20 | | 1 |

Analysis Method -SOP.T.40.013 Batch Date : 10/16/20 14:11:15
Analytical Batch -M0001283FIL Reviewed On - 10/16/20 14:13:14
Instrument Used : Microscope
Running On :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An 8X-20X Stereo Microscope is used for inspection.

Cannabinoid Profile Test

| Analyzed by | Weight | Extraction date : | Extracted By : |
|---|---------|--|--------------------------------|
| 19 | 0.0989g | 10/19/20 03:10:24 | 5 |
| Analysis Method -SOP.T.40.020, SOP.T.30.050 | | Reviewed On - 10/20/20 08:46:26 | Batch Date : 10/19/20 15:45:07 |
| Analytical Batch -M0001291POT | | 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

10/21/2020

Signed On



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

Kaycha Labs

.....
cbd isolate
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Sample : M001016007-001

Harvest/LOT ID: 1

Batch# : 004

Sampled : 10/15/20

Ordered : 10/15/20

Sample Size Received : 10 gram

Completed : 10/21/20 Expires: 10/21/21

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 |
| HEPTANE | 60 | ppm | 5000 | PASS | 380.000 |
| XYLENES-P (1,4-DIMETHYLBENZENE) | 18 | ppm | 2170 | PASS | ND |
| ETHYLENE OXIDE | 0.6 | ppm | 50 | PASS | ND |
| XYLENES-M (1,3-DIMETHYLBENZENE) | 18 | ppm | 2170 | PASS | ND |
| ETHYL ETHER | 60 | ppm | 5000 | PASS | ND |
| XYLENES-O (1,2-DIMETHYLBENZENE) | 18 | ppm | 2170 | PASS | ND |
| ETHYL ACETATE | 48 | ppm | 5000 | PASS | ND |
| ETHANOL | 120 | ppm | 5000 | PASS | ND |
| DICHLOROMETHANE | 15 | ppm | 600 | PASS | ND |

Analyzed by 18 Weight 0.025g Extraction date 10/19/20 11:10:49 Extracted By 18


Analysis Method -SOP.T.40.032
Analytical Batch -M0001287SOL Reviewed On - 10/19/20 13:39:01
Instrument Used : GCMS2010
Running On :
Batch Date : 10/19/20 11:06:07

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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17025:2017 #97164


Signature

10/21/2020

Signed On

Certificate of Analysis

PASSED

Sample : MO01016007-001

Harvest/LOT ID: 1

Batch# : 004

Sampled : 10/15/20



Ordered : 10/15/20

Sample Size Received : 10 gram

Completed : 10/21/20 Expires: 10/21/21

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 | | | | | |

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 |

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-insecurity testing.

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

Analytical Batch - | Reviewed On - 10/21/20 10:31:13

Instrument Used :

Running On :

Batch Date :

| Analyzed by | Weight | Extraction date | Extracted By |
|-------------|--------|-----------------|--------------|
| NA | NA | NA | NA |

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.

| | | |
|---|---------------------|---------------|
|  | 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 | 0.487g | 10/19/20 11:10:23 | 18 |

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

Analytical Batch -MO001288HEA | Reviewed On - 10/19/20 11:59:53

Instrument Used : ICP-MS 2030

Running On :

Batch Date : 10/19/20 11:09:24

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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