



Certificate of Analysis

SAMPLE:MO00210001-001

Harvest/Lot ID: 20T1500

Seed to Sale #N/A

Batch Date :N/A

Batch#: 20T1500

Sample Size Received: 30

Ordered : 02/07/20

Sampled : 02/07/20

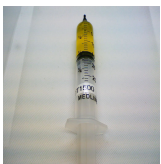
Completed: 02/12/20 Expires: 02/12/21

Sampling Method: SOP Client Method

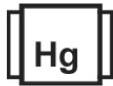
PASSED

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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

0.085%

THC/Container :26mg



Total CBD

6.550%

CBD/Container :1965mg



Total Cannabinoids

6.778%

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
0.085 %	ND	6.550 %	ND	ND	ND	ND	0.028 %	ND	0.115 %	ND
0.850 mg/g	ND	65.500 mg/g	ND	ND	ND	ND	0.280 mg/g	ND	1.150 mg/g	ND
0.01 ppm	0.01 ppm	0.01 ppm	0.01 ppm	0.01 ppm	0.01 ppm	0.01 ppm	0.01 ppm	0.01 ppm	0.01 ppm	0.01 ppm

Filtration PASSED

Analyte	Weight	Extraction date	LOD(ppm)	Extracted By
1	NA	NA		NA

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

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.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
19	0.1074g	NA	NA

Analysis Method -SOP.T.40.020, SOP.T.30.050
Analytical Batch -MO000213POT Instrument Used : HPLC Potency Analyzer Batch Date : 02/10/20

Reagent	Dilution	Consums. ID
103119.38 021020.R02 021020.R01	10	931CC 934C4-934 AK GD180020

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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David Greene
Lab Director

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



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02/12/2020

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Ordered : 02/07/20 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	MYCLOBUTANIL	0.010	ppm	0.2	ND
ACEPHATE	0.010	ppm	0.5	ND	NALED	0.010	ppm	0.5	ND
ACEQUINOCYL	0.02	ppm	2	ND	OXAMYL	0.010	ppm	1	ND
ACETAMIPRID	0.010	ppm	0.2	ND	PACLOBUTRAZOL	0.010	ppm	0.4	ND
ALDICARB	0.020	ppm	0.4	ND	PERMETHRINS	0.050	ppm	1	ND
AZOXYSTROBIN	0.010	ppm	0.2	ND	PHOSMET	0.010	ppm	0.2	ND
BIFENAZATE	0.010	ppm	0.2	ND	PIPERONYL BUTOXIDE	0.010	ppm	3	ND
BIFENTHRIN	0.010	ppm	0.2	ND	PRALLETHRIN	0.050	ppm	0.2	ND
BOSCALID	0.005	ppm	0.4	ND	PROPICONAZOLE	0.010	ppm	0.4	ND
CARBARYL	0.010	ppm	0.2	ND	PROPOXUR	0.010	ppm	0.2	ND
CARBOFURAN	0.010	ppm	0.2	ND	PYRETHRIN I	0.010	ppm	1	ND
CHLORANTRANILIPROLE	0.010	ppm	0.2	ND	PYRIDABEN	0.005	ppm	0.2	ND
CHLORPYRIFOS	0.010	ppm	0.2	ND	SPINETORAM	0.005	ppm	0.5	ND
CLOFENTEZINE	0.010	ppm	0.2	ND	SPINOSAD (SPINOSYN A)	0.010	ppm	0.2	ND
COUMAPHOS	0.005	ppm	0.2	ND	SPINOSAD (SPINOSYN D)	0.010	ppm	0.2	ND
CYPERMETHRIN	0.010	ppm	1	ND	SPIROMESIFEN	0.010	ppm	0.2	ND
DAMINOZIDE	0.010	ppm	1	ND	SPIROTETRAMAT	0.020	ppm	0.2	ND
DIAZANON	0.010	ppm	0.2	ND	SPIROXAMINE	0.010	ppm	0.4	ND
DICHLORVOS	0.050	ppm	0.1	ND	TEBUCONAZOLE	0.010	ppm	0.4	ND
DIMETHOATE	0.010	ppm	0.2	ND	THIACLOPRID	0.010	ppm	0.2	ND
DIMETHOMORPH	0.005	ppm	0.1	ND	THIAMETHOXAM	0.010	ppm	0.5	ND
ETHOPROPHOS	0.010	ppm	0.2	ND	TRIFLOXYSTROBIN	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					



Pesticides

PASSED

Analyzed by 1	Weight 0.6957g	Extraction date NA	Extracted By NA
Analysis Method -SOP.T.30.060, SOP.T.40.060			
Analytical Batch - MO000215PES			
Instrument Used : LCMSMS 8060 P			
Batch Date : 02/10/20			
Reagent	Dilution	Consums. ID	
	1		

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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Batch# : 20T1500
Sampled : 02/07/20
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Sample Size received : 30
Completed : 02/12/20 Expires : 02/12/21
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
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 0.042g Extraction date NA Extracted By NA

Analysis Method -SOP.T.40.032
Analytical Batch -MO000210SOL
Instrument Used : GCMS8050
Batch Date : 02/10/20

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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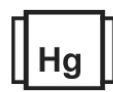
Sample : M000210001-001
Harvest/LOT ID: 20T1500

Batch# : 20T1500 Sample Size received : 30
Sampled : 02/07/20 Completed : 02/12/20 Expires : 02/12/21
Ordered : 02/07/20 Sample Method : SOP Client Method

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Mycotoxins **PASSED**



Heavy Metals **PASSED**

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

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

Analytical Batch -M0000216

Instrument Used :

Batch Date : 02/10/20

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

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.

Reagent	Dilution	Consums.	ID
Metal	LOD	Units	Result
ARSENIC	0.001	ppm	ND
CADMIUM	0.001	ppm	ND
LEAD	0.001	ppm	ND
MERCURY	0.001	ppm	ND

Metal	LOD	Units	Result	Action Level (PPM)
ARSENIC	0.001	ppm	ND	1.5
CADMIUM	0.001	ppm	ND	0.5
LEAD	0.001	ppm	ND	0.5
MERCURY	0.001	ppm	ND	3


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

Analytical Batch -M0000211HEA

Instrument Used : ICP-MS 2030

Batch Date : 02/10/20

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.



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.
TOTAL_YEAST_AND_MOLD	not present in 1 gram.

Analysis Method -SOP.T.40.043

Analytical Batch -NA

Instrument Used :

Batch Date :

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-impurity testing.

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