



Steep HillOklahoma

114154 S. 4629 SALLISAW, OK 74955 LIC #LAAA-NJT2-DMOG

CERTIFICATE OF ANALYSIS | For Medical Use

Sample Name: Mochi
Steep Hill ID: OK93882
Batch ID: MO201019F
Sample Type: Flower
Date Received: 11/9/2020
Date Reported: 11/10/2020

Customer: Mariteq Growers, LLC
471833 Hwy 51 East
Stilwell, OK 74960
LIC.# GAAA-EKCT-I7DH

OVERALL BATCH SUMMARY: **PASS**

Cannabinoids	Foreign Material	Heavy Metals	Microbial Impurities	Pesticides	Mycotoxins	Moisture
Tested	Pass	Pass	Pass	Pass	Pass	Pass



Total THC

16.5 %
165 mg/g
18.7 % (Dry)
187 mg/g (Dry)

* Dry accounts for moisture
in the potency calculation.

Total CBD

0.0905 %
0.905 mg/g
0.102 % (Dry)
1.02 mg/g (Dry)

Total Cannabinoids

19.4 %
194 mg/g
22.0 % (Dry)
220 mg/g (Dry)

K Faulkenberry

Kandice Faulkenberry
Co-Owner & CEO
Date: 11/10/2020

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Cannabinoid Results

11/10/2020

Standard potency analysis utilizing High Performance Liquid Chromatography with Photo Diode Array Detector (HPLC-PDA; SOP-068)

Analyte	%	mg/g	% (Dry)	mg/g (Dry)	LOD mg/g	LOQ mg/g
CBC	ND	ND	ND	ND	0.0857	0.285
CBD	0.0631	0.631	0.0715	0.715	0.0857	0.285
CBDA	0.0312	0.312	0.0353	0.353	0.0857	0.285
CBDV	ND	ND	ND	ND	0.0857	0.285
CBDVA	< LOQ	< LOQ	< LOQ	< LOQ	0.0857	0.285
CBG	0.193	1.93	0.218	2.18	0.0857	0.285
CBGA	0.189	1.89	0.214	2.14	0.0857	0.285
CBL	0.173	1.73	0.196	1.96	0.0857	0.285
CBN	ND	ND	ND	ND	0.0857	0.285
THC	0.523	5.23	0.592	5.92	0.0857	0.285
delta-8-THC	ND	ND	ND	ND	0.0857	0.285
THCA	18.2	182	20.6	206	0.0857	0.285
THCV	< LOQ	< LOQ	< LOQ	< LOQ	0.0857	0.285
THCVA	0.0339	0.339	0.0384	0.384	0.0857	0.285
Total	19.4	194	22.0	220		

Terpenoid Results

11/10/2020

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069)

Analyte	%	mg/g	LOD mg/g	LOQ mg/g	Analyte	%	mg/g	LOD mg/g	LOQ mg/g
α -Bisabolol	ND	ND	0.0571	0.0951	Linalool	0.183	1.83	0.00734	0.0951
endo-Borneol	ND	ND	0.0246	0.190	Menthol	ND	ND	0.00705	0.0951
Camphene	ND	ND	0.00381	0.0951	β -Myrcene	0.0602	0.602	0.0407	0.0951
Camphor	ND	ND	0.0188	0.285	Nerol	ND	ND	0.0122	0.0951
3-Carene	ND	ND	0.0407	0.0951	cis-Nerolidol	ND	ND	0.00753	0.0951
Caryophyllene Oxide	ND	ND	0.0765	0.0951	trans-Nerolidol	ND	ND	0.00358	0.0951
β -Caryophyllene	0.542	5.42	0.282	0.282	cis- β -Ocimene	< LOQ	< LOQ	0.0130	0.0475
α -Cedrene	0.0911	0.911	0.00269	0.0951	trans- β -Ocimene	ND	ND	0.242	0.242
Cedrol	ND	ND	0.000491	0.0951	α -Phellandrene	ND	ND	0.0420	0.0951
Citronellol	ND	ND	0.00772	0.0951	Phytol 1	ND	ND	1.19	1.19
Eucalyptol	ND	ND	0.0112	0.0951	Phytol 2	ND	ND	0.620	0.620
α -Farnesene	0.0493	0.493	0.0849	0.0849	α -Pinene	ND	ND	0.00132	0.0951
β -Farnesene	0.235	2.35	0.00618	0.0158	β -Pinene	ND	ND	0.000178	0.0951
Fenchol	0.0290	0.290	0.00513	0.0951	Pulegone	ND	ND	0.00137	0.0951
Fenchone	ND	ND	0.00255	0.190	Sabinene	ND	ND	0.000146	0.0951
Geraniol	ND	ND	0.171	0.171	α -Terpinene	ND	ND	0.0208	0.0951
Geranyl Acetate	ND	ND	0.00539	0.0951	γ -Terpinene	ND	ND	0.0507	0.0951
Guaial	ND	ND	0.00453	0.0951	Δ Terpinene	ND	ND	0.00528	0.0951
Humulene	0.156	1.56	0.00526	0.0951	α -Terpineol	0.0214	0.214	0.00700	0.0238
Isoborneol	ND	ND	0.000928	0.0951	γ -Terpineol	ND	ND	0.0566	0.0566
Isopulegol	ND	ND	0.00785	0.0951	Valencene	ND	ND	0.00509	0.0951
D-Limonene	0.389	3.89	0.0172	0.0951	Total	1.76	17.6		

LOD: Limit of Detection
LOQ: Limit of Quantitation
NT: Not Tested
ND: Not Detected

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Residual Pesticides Results

Pass

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Residual pesticide analysis utilizing Liquid and Gas Chromatography – Mass Spectrometry (LC-MSMS + GC-MSMS; SOP-070 + SOP-080) - **Limit units: µg/g**

Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g
Abamectin	Pass	ND	0.5	0.0153	0.0181
Azoxystrobin	Pass	ND	0.2	0.0000906	0.0188
Bifenazate	Pass	ND	0.2	0.000126	0.0188
Etoxazole	Pass	ND	0.2	0.0000729	0.0190
Imazalil	Pass	ND	0.2	0.00102	0.0193
Imidacloprid	Pass	ND	0.4	0.00101	0.0187
Malathion	Pass	ND	0.2	0.000117	0.0189
Myclobutanil	Pass	ND	0.2	0.000455	0.0191
Permethrins	Pass	ND	0.2	0.00553	0.0152
Spinosad	Pass	ND	0.2	0.000254	0.0138
Spiromesifen	Pass	ND	0.2	0.00610	0.0190
Spirotetramat	Pass	ND	0.2	0.000333	0.0189
Tebuconazole	Pass	ND	0.4	0.00177	0.0189

Heavy Metals Results

Pass

11/9/2020

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072) - **Limit units: µg/g**

Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g
Arsenic	Pass	< LOQ	0.2	0.0000334	0.000106
Cadmium	Pass	ND	0.2	0.0000376	0.000114
Lead	Pass	ND	0.5	0.0000404	0.000122
Mercury	Pass	< LOQ	0.1	0.00000199	0.00000596

Residual Solvents Results

NT

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010) - **Limit units: µg/g**

Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g
2-Propanol (IPA)	NT	NT	NT	NT	NT
Acetone	NT	NT	NT	NT	NT
Benzene	NT	NT	NT	NT	NT
n-Butane	NT	NT	NT	NT	NT
Ethanol	NT	NT	NT	NT	NT
Ethyl Acetate	NT	NT	NT	NT	NT
n-Heptane	NT	NT	NT	NT	NT
n-Hexane	NT	NT	NT	NT	NT
Methanol	NT	NT	NT	NT	NT
n-Pentane	NT	NT	NT	NT	NT
Propane	NT	NT	NT	NT	NT
Toluene	NT	NT	NT	NT	NT
Total Xylenes	NT	NT	NT	NT	NT

Mycotoxin Results

Pass

11/10/2020

Mycotoxin analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070) - **Limit units: µg/kg**

Analyte	Pass/Fail	µg/kg	Limit	LOD µg/kg	LOQ µg/kg
Aflatoxin B1		ND		0.459	2.00
Aflatoxin B2		ND		2.08	2.08
Aflatoxin G1		ND		0.459	2.01
Aflatoxin G2		ND		1.08	2.01
Ochratoxin A	Pass	ND	20	0.597	1.91

Microbial Impurities Results

Pass

11/10/2020

Microbiological screening utilizing Pathogen Dx. (PDX; SOP-076) - **Limit units: CFU/g**

Analyte	Pass/Fail	Result	Limit	LOQ
Aspergillus flavus		NT	NT	NT
Aspergillus fumigatus		NT	NT	NT
Aspergillus niger		NT	NT	NT
Aspergillus terreus		NT	NT	NT
E. coli	Pass	ND	ND	
Salmonella	Pass	ND	ND	
Yeast & Mold	Pass	8945	10000	

Foreign Material Results

Pass

11/9/2020

Foreign material analysis utilizing visual inspection

Analyte	Pass/Fail
Visual Inspection	Pass

Water Activity Results

NT

Water Activity analysis utilizing Water Activity Meter (WAM; SOP-090) - **Limit units: Aw**

Analyte	Pass/Fail	Aw	Limit
Water Activity		NT	NT

Moisture Results

Pass

11/9/2020

Moisture content analysis utilizing Moisture Balance (MB; SOP-055)

Analyte	Pass/Fail	%	Limit
Moisture	Pass	11.7	15

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