



Steep Hill Oklahoma

114154 S. 4629 SALISAW, OK 74995 LIC #LAAA-NJT2-DMOG

CERTIFICATE OF ANALYSIS | For Medical Use

Sample Name: Bahama Mama
Steep Hill ID: OK88037
Batch ID: BH200630-B
Sample Type: Flower
Date Received: 7/12/2020
Date Reported: 7/15/2020

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	Mycotoxins	Residual Pesticides	Moisture
Tested	Pass	Pass	Pass	Pass	Pass	Tested



Total THC
25.4 %
254 mg/g
25.7 % (Dry)
257 mg/g (Dry)

Total CBD
0.133 %
1.33 mg/g
0.134 % (Dry)
1.34 mg/g (Dry)

Total Cannabinoids
27.9 %
279 mg/g
28.3 % (Dry)
283 mg/g (Dry)

* Dry accounts for moisture in the potency calculation.

Kandice Faulkenberry
Co-Owner & CEO
Date: 7/15/2020

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Cannabinoid Results

7/14/2020

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	0.111	1.11	0.112	1.12	0.0551	0.183
CBCV	ND	ND	ND	ND	0.0551	0.183
CBD	0.113	1.13	0.114	1.14	0.0551	0.183
CBDA	0.0225	0.225	0.0228	0.228	0.0551	0.183
CBDV	0.0348	0.348	0.0353	0.353	0.0551	0.183
CBDVA	ND	ND	ND	ND	0.0551	0.183
CBG	0.628	6.28	0.636	6.36	0.0551	0.183
CBGA	0.593	5.93	0.600	6.00	0.0551	0.183
CBL	0.125	1.25	0.126	1.26	0.0551	0.183
CBN	0.0716	0.716	0.0725	0.725	0.0551	0.183
THC	20.3	203	20.5	205	0.0551	0.183
delta-8-THC	ND	ND	ND	ND	0.0551	0.183
THCA	5.90	59.0	5.97	59.7	0.0551	0.183
THCV	0.0981	0.981	0.0993	0.993	0.0551	0.183
THCVA	< LOQ	< LOQ	< LOQ	< LOQ	0.0551	0.183
Total	27.9	279	28.3	283		

Terpenoid Results

7/15/2020

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	0.0150	0.150	0.00177	0.0213	D-Limonene	< LOQ	< LOQ	0.00232	0.103
endo-Borneol	ND	ND	0.00153	0.0974	Linalool	ND	ND	0.00263	0.0349
Camphene	ND	ND	0.00180	0.0706	Menthol	ND	ND	0.00266	0.0297
Camphor	ND	ND	0.00102	0.108	β-Myrcene	ND	ND	0.00139	0.0690
3-Carene	ND	ND	0.00105	0.0697	Nerol	ND	ND	0.00495	0.0703
Caryophyllene Oxide	ND	ND	0.0393	0.0578	cis-Nerolidol	ND	ND	0.0111	0.0111
β-Caryophyllene	ND	ND	0.00152	0.0360	trans-Nerolidol	ND	ND	0.00298	0.0484
α-Cedrene	ND	ND	0.00150	0.110	cis-β-Ocimene	ND	ND	0.00122	0.0341
Cedrol	ND	ND	0.0391	0.0391	trans-β-Ocimene	ND	ND	0.00217	0.0305
Citronellol	ND	ND	0.00973	0.138	Phytol 1	ND	ND	0.670	0.670
Eucalyptol	ND	ND	0.00406	0.0672	Phytol 2	ND	ND	0.536	0.536
α-Farnesene	ND	ND	0.000246	0.00110	α-Pinene	< LOQ	< LOQ	0.00187	0.101
β-Farnesene	ND	ND	0.00403	0.0206	β-Pinene	< LOQ	< LOQ	0.00155	0.0998
Fenchol	ND	ND	0.0108	0.145	Pulegone	ND	ND	0.00432	0.110
Fenchone	ND	ND	0.00113	0.137	Sabinene	ND	ND	0.00161	0.102
Geraniol	ND	ND	0.0104	0.0987	Sabinene Hydrate	ND	ND	0.0277	0.381
Geranyl Acetate	ND	ND	0.00161	0.0371	α-Terpinene	ND	ND	0.00231	0.103
Guaiol	ND	ND	0.00280	0.0261	γ-Terpinene	ND	ND	0.00193	0.103
Humulene	< LOQ	< LOQ	0.00138	0.0982	Δ Terpinene	ND	ND	0.00356	0.109
Isoborneol	ND	ND	0.00167	0.0422	α-Terpineol	< LOQ	< LOQ	0.00375	0.0640
Isopulegol	ND	ND	0.0265	0.0760	Valencene	ND	ND	0.00553	0.163
Total	0.0150	0.150							

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

K Faulkenberry

Kandice Faulkenberry
Co-Owner & CEO
Date: 7/15/2020

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Heavy Metals Results Pass 7/13/2020

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	0.4	0.0000382	0.000121
Cadmium	Pass	ND	0.4	0.0000430	0.000130
Lead	Pass	ND	1	0.0000462	0.000140
Mercury	Pass	< LOQ	0.2	0.00000227	0.00000681

Microbial Impurities Results Pass 7/14/2020

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

Analyte	Pass/Fail	Result	Limit	LOQ
E. coli	Pass	ND	ND	
Salmonella	Pass	ND	ND	
Staphylococcus Aureus	Pass	ND	ND	
Yeast & Mold	Pass	8131	10000	

Residual Pesticides Results Pass 7/14/2020

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	0.00560	0.0187
Azoxystrobin	Pass	ND	0.5	0.00581	0.0193
Bifenazate	Pass	ND	0.5	0.00581	0.0193
Etoxazole	Pass	ND	0.5	0.00589	0.0196
Imazalil	Pass	ND	0.5	0.00596	0.0198
Imidacloprid	Pass	ND	0.5	0.00580	0.0193
Malathion	Pass	ND	0.5	0.00584	0.0194
Myclobutanil	Pass	ND	0.5	0.00591	0.0197
Permethrins	Pass	ND	0.5	0.00588	0.0196
Spinosad	Pass	ND	0.5	0.00426	0.0142
Spiromesifen	Pass	ND	0.5	0.00586	0.0195
Spirotetramat	Pass	ND	0.5	0.00585	0.0195
Tebuconazole	Pass	ND	0.5	0.00583	0.0194

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
n-Heptane	NT	NT	NT	NT	NT
n-Hexane	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 7/14/2020

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		0.617	2.06
Aflatoxin B2		ND		0.619	2.06
Aflatoxin G1		ND		0.622	2.07
Aflatoxin G2		ND		0.622	2.07
Ochratoxin A	Pass	ND	20	0.591	1.97

Foreign Material Results Pass 7/14/2020

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 7/14/2020

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

Analyte %

Moisture 1.24

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