



Steep Hill Oklahoma

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

CERTIFICATE OF ANALYSIS | For Medical Use

Sample Name: Wedding Cake
Steep Hill ID: OK88031
Batch ID: WC200626-A
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
25.8 %
258 mg/g
28.2 % (Dry)
282 mg/g (Dry)

Total CBD
0.109 %
1.09 mg/g
0.120 % (Dry)
1.20 mg/g (Dry)

Total Cannabinoids
31.1 %
311 mg/g
34.0 % (Dry)
340 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

7/15/2020

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	0.112	0.372
CBCV	ND	ND	ND	ND	0.112	0.372
CBD	0.0618	0.618	0.0676	0.676	0.112	0.372
CBDA	0.0544	0.544	0.0595	0.595	0.112	0.372
CBDV	ND	ND	ND	ND	0.112	0.372
CBDVA	ND	ND	ND	ND	0.112	0.372
CBG	0.228	2.28	0.249	2.49	0.112	0.372
CBGA	1.02	10.2	1.12	11.2	0.112	0.372
CBL	0.219	2.19	0.240	2.40	0.112	0.372
CBN	ND	ND	ND	ND	0.112	0.372
THC	0.370	3.70	0.404	4.04	0.112	0.372
delta-8-THC	ND	ND	ND	ND	0.112	0.372
THCA	29.0	290	31.7	317	0.112	0.372
THCV	ND	ND	ND	ND	0.112	0.372
THCVA	0.131	1.31	0.143	1.43	0.112	0.372
Total	31.1	311	34.0	340		

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	0.0363	0.363	0.00179	0.0216	D-Limonene	0.379	3.79	0.00235	0.105
endo-Borneol	< LOQ	< LOQ	0.00155	0.0987	Linalool	0.222	2.22	0.00267	0.0353
Camphene	0.0117	0.117	0.00182	0.0716	Menthol	ND	ND	0.00270	0.0301
Camphor	ND	ND	0.00104	0.110	β-Myrcene	0.393	3.93	0.00141	0.0699
3-Carene	ND	ND	0.00106	0.0706	Nerol	< LOQ	< LOQ	0.00501	0.0712
Caryophyllene Oxide	ND	ND	0.0398	0.0586	cis-Nerolidol	ND	ND	0.0112	0.0112
β-Caryophyllene	0.816	8.16	0.00154	0.0364	trans-Nerolidol	ND	ND	0.00302	0.0491
α-Cedrene	ND	ND	0.00152	0.111	cis-β-Ocimene	ND	ND	0.00124	0.0346
Cedrol	ND	ND	0.0396	0.0396	trans-β-Ocimene	< LOQ	< LOQ	0.00220	0.0309
Citronellol	< LOQ	< LOQ	0.00986	0.140	Phytol 1	ND	ND	0.679	0.679
Eucalyptol	ND	ND	0.00411	0.0680	Phytol 2	ND	ND	0.543	0.543
α-Farnesene	ND	ND	0.000249	0.00112	α-Pinene	0.0440	0.440	0.00189	0.103
β-Farnesene	0.145	1.45	0.00408	0.0208	β-Pinene	0.0723	0.723	0.00157	0.101
Fenchol	0.0470	0.470	0.0109	0.147	Pulegone	ND	ND	0.00438	0.111
Fenchone	< LOQ	< LOQ	0.00115	0.139	Sabinene	ND	ND	0.00163	0.103
Geraniol	< LOQ	< LOQ	0.0105	0.100	Sabinene Hydrate	ND	ND	0.0281	0.386
Geranyl Acetate	ND	ND	0.00163	0.0376	α-Terpinene	ND	ND	0.00234	0.105
Guaiol	ND	ND	0.00283	0.0264	γ-Terpinene	ND	ND	0.00196	0.104
Humulene	0.172	1.72	0.00140	0.0995	Δ Terpinene	< LOQ	< LOQ	0.00361	0.110
Isoborneol	ND	ND	0.00170	0.0428	α-Terpineol	0.0410	0.410	0.00380	0.0649
Isopulegol	ND	ND	0.0269	0.0770	Valencene	0.0533	0.533	0.00560	0.165
Total	2.43	24.3							

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	ND	0.4	0.0000389	0.000123
Cadmium	Pass	ND	0.4	0.0000438	0.000133
Lead	Pass	ND	1	0.0000471	0.000143
Mercury	Pass	< LOQ	0.2	0.00000231	0.00000694

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	1054	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	0.00566	0.0188
Azoxystrobin	Pass	ND	0.5	0.00587	0.0195
Bifenazate	Pass	ND	0.5	0.00587	0.0195
Etoxazole	Pass	ND	0.5	0.00595	0.0198
Imazalil	Pass	ND	0.5	0.00602	0.0201
Imidacloprid	Pass	ND	0.5	0.00586	0.0195
Malathion	Pass	ND	0.5	0.00590	0.0197
Myclobutanil	Pass	ND	0.5	0.00597	0.0199
Permethrins	Pass	ND	0.5	0.00594	0.0198
Spinosad	Pass	ND	0.5	0.00430	0.0143
Spiromesifen	Pass	ND	0.5	0.00593	0.0197
Spirotetramat	Pass	ND	0.5	0.00591	0.0197
Tebuconazole	Pass	ND	0.5	0.00590	0.0196

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		0.624	2.08
Aflatoxin B2		ND		0.626	2.08
Aflatoxin G1		ND		0.628	2.09
Aflatoxin G2		ND		0.628	2.09
Ochratoxin A	Pass	ND	20	0.597	1.99

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 8.57

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