



Steep HillOklahomaTM

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

CERTIFICATE OF ANALYSIS

Sample Name: JET FUEL
Steep Hill ID: OK88096
Batch ID: H7-38AID64B8F7D3E
Sample Type: Flower
Date Received: 7/15/2020
Date Reported: 7/20/2020

Customer: Happy Hour Medicinals LLC
147 S. 122nd East Ave
Tulsa, OK 74128
LIC.# GAAA-NJAR-PKDB

OVERALL BATCH SUMMARY: **PASS**

Cannabinoids	Foreign Material	Heavy Metals	Microbial Impurities	Mycotoxins	Residual Pesticides	Moisture
Tested	NT	NT	NT	NT	NT	Tested



Total THC

20.6 %
206 mg/g
23.5 % (Dry)
235 mg/g (Dry)

Total CBD

0.184 %
1.84 mg/g
0.210 % (Dry)
2.10 mg/g (Dry)

Total Cannabinoids

24.9 %
249 mg/g
28.4 % (Dry)
284 mg/g (Dry)

* Dry accounts for moisture in the potency calculation.

K Faulkenberry

Kandice Faulkenberry
Co-Owner & CEO
Date: 7/20/2020

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CERTIFICATE OF ANALYSIS

Cannabinoid Results

7/16/2020

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	< LOQ	< LOQ	< LOQ	< LOQ	0.0548	0.183
CBCV	ND	ND	ND	ND	0.0548	0.183
CBD	0.142	1.42	0.161	1.61	0.0548	0.183
CBDA	0.0481	0.481	0.0548	0.548	0.0548	0.183
CBDV	ND	ND	ND	ND	0.0548	0.183
CBDVA	ND	ND	ND	ND	0.0548	0.183
CBG	ND	ND	ND	ND	0.0548	0.183
CBGA	0.841	8.41	0.958	9.58	0.0548	0.183
CBL	0.263	2.63	0.300	3.00	0.0548	0.183
CBN	ND	ND	ND	ND	0.0548	0.183
THC	0.120	1.20	0.137	1.37	0.0548	0.183
delta-8-THC	ND	ND	ND	ND	0.0548	0.183
THCA	23.4	234	26.6	266	0.0548	0.183
THCV	ND	ND	ND	ND	0.0548	0.183
THCVA	0.0976	0.976	0.111	1.11	0.0548	0.183
Total	24.9	249	28.4	284		

Terpenoid Results

7/20/2020

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	0.00925	0.0925	0.00176	0.0212	D-Limonene	0.816	8.16	0.00230	0.103
endo-Borneol	0.0105	0.105	0.00152	0.0970	Linalool	0.278	2.78	0.00262	0.0347
Camphene	0.0150	0.150	0.00179	0.0703	Menthol	ND	ND	0.00265	0.0296
Camphor	ND	ND	0.00102	0.108	β -Myrcene	0.367	3.67	0.00139	0.0687
3-Carene	ND	ND	0.00104	0.0694	Nerol	ND	ND	0.00492	0.0699
Caryophyllene Oxide	ND	ND	0.0391	0.0575	cis-Nerolidol	ND	ND	0.0110	0.0110
β -Caryophyllene	0.265	2.65	0.00151	0.0358	trans-Nerolidol	0.0110	0.110	0.00296	0.0482
α -Cedrene	ND	ND	0.00149	0.109	cis- β -Ocimene	< LOQ	< LOQ	0.00122	0.0340
Cedrol	ND	ND	0.0389	0.0389	trans- β -Ocimene	0.00387	0.0387	0.00216	0.0303
Citronellol	< LOQ	< LOQ	0.00968	0.137	Phytol 1	ND	ND	0.667	0.667
Eucalyptol	ND	ND	0.00404	0.0668	Phytol 2	ND	ND	0.533	0.533
α -Farnesene	ND	ND	0.000244	0.00110	α -Pinene	0.0587	0.587	0.00186	0.101
β -Farnesene	0.0403	0.403	0.00401	0.0204	β -Pinene	0.0888	0.888	0.00154	0.0993
Fenchol	0.0543	0.543	0.0107	0.145	Pulegone	ND	ND	0.00430	0.109
Fenchone	< LOQ	< LOQ	0.00113	0.137	Sabinene	< LOQ	< LOQ	0.00160	0.102
Geraniol	0.0122	0.122	0.0103	0.0982	Sabinene Hydrate	< LOQ	< LOQ	0.0276	0.379
Geranyl Acetate	ND	ND	0.00160	0.0369	α -Terpinene	< LOQ	< LOQ	0.00230	0.103
Guaiol	ND	ND	0.00278	0.0259	γ -Terpinene	< LOQ	< LOQ	0.00193	0.103
Humulene	0.0650	0.650	0.00138	0.0977	Δ Terpinene	0.0117	0.117	0.00355	0.108
Isoborneol	ND	ND	0.00166	0.0420	α -Terpineol	0.0541	0.541	0.00373	0.0637
Isopulegol	0.0107	0.107	0.0264	0.0756	Valencene	ND	ND	0.00550	0.162
Total	2.17	21.7							

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

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CERTIFICATE OF ANALYSIS

Heavy Metals Results

NT

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	NT	NT	NT	NT	NT
Cadmium	NT	NT	NT	NT	NT
Lead	NT	NT	NT	NT	NT
Mercury	NT	NT	NT	NT	NT

Microbial Impurities Results

NT

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

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

Residual Pesticides Results

NT

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	NT	NT	NT	NT	NT
Azoxystrobin	NT	NT	NT	NT	NT
Bifenazate	NT	NT	NT	NT	NT
Etoxazole	NT	NT	NT	NT	NT
Imazalil	NT	NT	NT	NT	NT
Imidacloprid	NT	NT	NT	NT	NT
Malathion	NT	NT	NT	NT	NT
Myclobutanil	NT	NT	NT	NT	NT
Permethrins	NT	NT	NT	NT	NT
Spinosad	NT	NT	NT	NT	NT
Spiromesifen	NT	NT	NT	NT	NT
Spirotetramat	NT	NT	NT	NT	NT
Tebuconazole	NT	NT	NT	NT	NT

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

NT

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	NT	NT	NT	NT	NT
Aflatoxin B2	NT	NT	NT	NT	NT
Aflatoxin G1	NT	NT	NT	NT	NT
Aflatoxin G2	NT	NT	NT	NT	NT
Ochratoxin A	NT	NT	NT	NT	NT

Foreign Material Results

NT

Foreign material analysis utilizing visual inspection

Analyte	Pass/Fail
Visual Inspection	NT

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	NT

Moisture Results

7/15/2020

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

Analyte	%
Moisture	12.16

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