



Smithers AMS LLC
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Customer: The Healing Rose

Address:

23 Hale St

Newburyport MA 01950

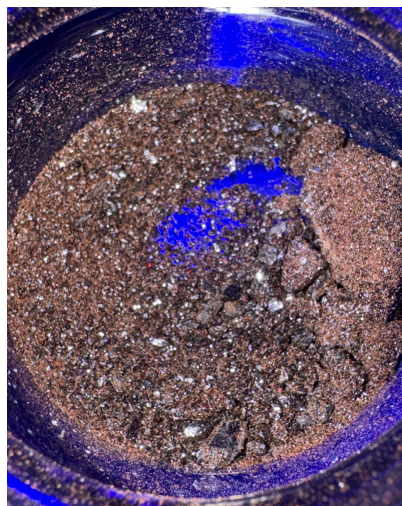
Phone: 978-409-1091

License #: MDAR 25190109P



Sample ID: 11286
Sample Name: THCV Distillate
Sample Type: Concentrate
Received Date: 03/12/2024
Report Date: 03/16/2024
METRC ID: N/A
Client Batch ID: HE75
Client Sample Size: 5 g

Certificate of Analysis



Results Summary

Cannabinoids

03/15/2024

TESTED

Terpenes

03/15/2024

TESTED

Heavy Metals

03/15/2024

✓ PASS

Microbial Impurities

03/16/2024

✓ PASS

Residual Solvents

03/13/2024

✓ PASS

Mycotoxins

03/15/2024

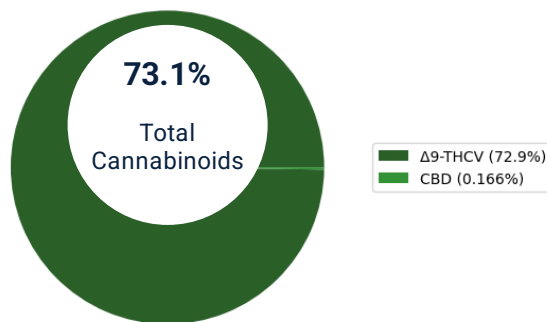
✓ PASS

Pesticides

03/15/2024

✓ PASS

Cannabinoid Distribution (%)



Terpene Distribution (%)

0.0%

Total
Terpenes

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Cannabinoids

Date Started: 03/13/2024
Instrument: UPLC-PDA

Date Completed: 03/15/2024
Method: TP-09.001.05 & TP-09.012.05

Analyst: Yüemin Wang Kovaleff
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOQ (%)
Δ9-THCV	72.9	729	1.28
CBD	0.166	1.66	0.118
CBDVA	ND	ND	0.0472
CBDV	ND	ND	0.0472
CBDA	ND	ND	0.118
CBGA	ND	ND	0.0590
CBG	ND	ND	0.0590
Δ8-THCV	ND	ND	0.0472
THCVA	ND	ND	0.0472
CBN	ND	ND	0.0590
CBNA	ND	ND	0.0472
Exo-THC	ND	ND	0.0472
Δ9-THC	ND	ND	0.118
Δ8-THC	ND	ND	0.0590
CBL	ND	ND	0.0472
THCA-A	ND	ND	0.118
CBC	ND	ND	0.0472
CBCA	ND	ND	0.0472
Total THC	ND	ND	
Total CBD	0.166	1.66	
Total Cannabinoids	73.1	731	

Total THC = Δ9-THC + (THCA-A x 0.877)

Total CBD = CBD + (CBDA x 0.877)

Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.

LOD = Limit of Detection; **LOQ** = Limit of Quantitation; **ND** = Not Detected.

Certificate of Analysis

Terpenes

Date Started: 03/13/2024
Instrument: GC-MS

Date Completed: 03/15/2024
Method: TP-09.004.03

Analyst: Yueming Wang Kovaleff
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOQ (%)
alpha-Pinene	ND	ND	0.0114
Camphene	ND	ND	0.0114
beta-Pinene	ND	ND	0.0114
beta-Myrcene	ND	ND	0.0114
E-beta-Ocimene	ND	ND	0.0114
D-Limonene	ND	ND	0.0114
Linalool	ND	ND	0.0114
Isopulegol	ND	ND	0.0114
Geraniol	ND	ND	0.0114
E-Caryophyllene	ND	ND	0.0114
alpha-Humulene	ND	ND	0.0114
Z-Nerolidol	ND	ND	0.0114
E-Nerolidol	ND	ND	0.0114
Guaiol	ND	ND	0.0114
Carophyllene Oxide	ND	ND	0.0114
alpha-Bisabolol	ND	ND	0.0114
Eucalyptol	ND	ND	0.0114
delta-3-Carene	ND	ND	0.0114
alpha-Terpinene	ND	ND	0.0114
Z-beta-Ocimene	ND	ND	0.0114
gamma-Terpinene	ND	ND	0.0114
Terpinolene	ND	ND	0.0114

Heavy Metals

✓ **PASS**

Date Started: 03/13/2024
Instrument: ICP-MS

Date Completed: 03/15/2024
Method: TP-09.007.01

Analyst: Meagan Mattos
Deviation: N/A

Heavy Metals	LOQ (ppb)	Limit (ppb)	Status
Arsenic	51.9	200	Pass
Cadmium	51.9	200	Pass
Lead	51.9	500	Pass
Mercury	25.9	100	Pass

Microbial Impurities

✓ **PASS**

Date Started: 03/12/2024
Instrument: TEMPO & Gene-Up

Date Completed: 03/16/2024
Method: TP-09.010.01 & TP-09.011.01

Analyst: Meagan Mattos
Deviation: N/A

Microbials	Limit (CFU/g)	Status
Coliforms	1000	Pass
Bile-Tolerant Gram-Negative Bacteria	1000	Pass
Yeast & Mold	10000	Pass
Aerobic Bacteria	100000	Pass
E.coli		Pass
Salmonella		Pass

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Certificate of Analysis

Residual Solvents

✓ **PASS**

Date Started: 03/12/2024
Instrument: HS-GC-MS

Date Completed: 03/13/2024
Method: TP-09.005.03

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Residual Solvent	LOQ (ppm)	Limit (ppm)	Status
n-Propane	1.54	12.0	Pass
Iso-butane	1.54	12.0	Pass
n-Butane	1.54	12.0	Pass
Methanol	92.9	3000	Pass
Ethylene Oxide	1.24		Pass
n-Pentane	92.9	5000	Pass
Ethanol	92.9	5000	Pass
Ethyl Ether	92.9	5000	Pass
Acetone	92.9	5000	Pass
Isopropyl Alcohol	92.9	5000	Pass
Acetonitrile	92.9	410	Pass
Methylene Chloride	1.24	600	Pass
n-Hexane	92.9	290	Pass
Ethyl Acetate	92.9	5000	Pass
Chloroform	1.24	60.0	Pass
1,2-Dichloroethane	1.24	1870	Pass
Benzene	1.24		Pass
n-Heptane	92.9	5000	Pass
Trichloroethylene	1.24	80.0	Pass
Toluene	92.9	890	Pass
Total Xylenes	46.4	2170	Pass

Mycotoxins

✓ **PASS**

Date Started: 03/12/2024
Instrument: LC-MS/MS

Date Completed: 03/15/2024
Method: TP-09.009.04

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Mycotoxins	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	4.50		
Aflatoxin B2	3.38		
Aflatoxin G1	3.38		
Aflatoxin G2	4.50		
Ochratoxin A	3.38		
Total Mycotoxins	3.38	20.0	Pass

Certificate of Analysis

Pesticides

✓ PASS

Date Started: 03/12/2024

Instrument: LC-MS/MS & GC-MS/MS

Date Completed: 03/15/2024

Method: TP-09.008.02 & TP-09.009.04

Analyst: Yuemin Wang Kovaleff

Deviation: N/A

Pesticide	LOQ (ppb)	Limit (ppb)	Status
Bifenazate	3.38	10.0	Pass
Bifenthrin	3.38	10.0	Pass
Cyfluthrin	2.81	10.0	Pass
Etoxazole	3.38	10.0	Pass
Imazalil	3.38	10.0	Pass
Imidacloprid	3.38	10.0	Pass
Myclobutanil	3.38	10.0	Pass
Spiromesifen	3.38	10.0	Pass
Trifloxystrobin	3.38	10.0	Pass



Eric Steele, Lab Director
03/16/2024

END OF REPORT