



Smithers AMS LLC
790 Main St
Wareham, MA 02571
License #: IL281355
Phone: 508-295-2550



Customer: The Healing Rose

Address:

23 Hale St
Newburyport MA 01950

Phone: 978-409-1091

License #: MDAR 25190109P



Sample ID: 11284
Sample Name: Full Spectrum CBD Distillate
Sample Type: Concentrate
Received Date: 03/12/2024
Report Date: 04/03/2024
METRC ID: N/A
Client Batch ID: HE73
Client Sample Size: 5 g

Certificate of Analysis

Amended 04/03/2024



Results Summary

Cannabinoids

03/15/2024

TESTED

Terpenes

03/15/2024

TESTED

Heavy Metals

03/15/2024

✓ PASS

Microbial Impurities

03/16/2024

✓ PASS

Mycotoxins

03/15/2024

✓ PASS

Pesticides

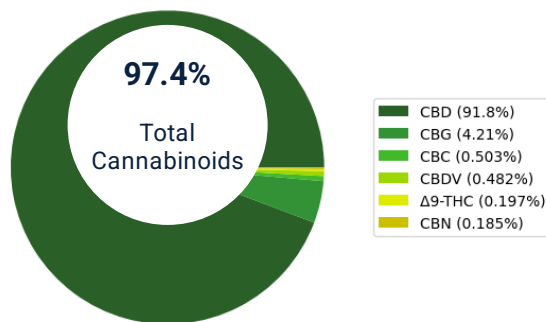
03/15/2024

✓ PASS

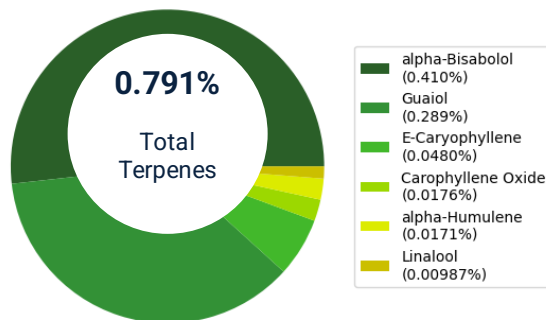
Amended Report Notes

Revised cannabinoid data after running a lower dilution factor.

Cannabinoid Distribution (%)



Terpene Distribution (%)



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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: Yuemin Wang Kovaleff
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOQ (%)
CBD	91.8	918	2.24
CBG	4.21	42.1	0.0561
CBC	0.503	5.03	0.0449
CBDV	0.482	4.82	0.0449
Δ9-THC	0.197	1.97	0.00601
CBN	0.185	1.85	0.0561
CBDVA	ND	ND	0.0449
CBDA	ND	ND	0.112
CBGA	ND	ND	0.0561
Δ9-THCV	ND	ND	0.0449
Δ8-THCV	ND	ND	0.0449
THCVA	ND	ND	0.0449
CBNA	ND	ND	0.0449
Exo-THC	ND	ND	0.0449
Δ8-THC	ND	ND	0.0561
CBL	ND	ND	0.0449
THCA-A	ND	ND	0.112
CBCA	ND	ND	0.0449
Total THC	0.197	1.97	
Total CBD	91.8	918	
Total Cannabinoids	97.4	974	

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

Amended 04/03/2024

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-Bisabolol	0.410	4.10	0.0108
Guaiol	0.289	2.89	0.0108
E-Caryophyllene	0.0480	0.480	0.0108
Carophyllene Oxide	0.0176	0.176	0.0108
alpha-Humulene	0.0171	0.171	0.0108
Linalool	<LOQ	0.0987	0.0108
alpha-Pinene	ND	ND	0.0108
Camphene	ND	ND	0.0108
beta-Pinene	ND	ND	0.0108
beta-Myrcene	ND	ND	0.0108
E-beta-Ocimene	ND	ND	0.0108
D-Limonene	ND	ND	0.0108
Isopulegol	ND	ND	0.0108
Geraniol	ND	ND	0.0108
Z-Nerolidol	ND	ND	0.0108
E-Nerolidol	ND	ND	0.0108
Eucalyptol	ND	ND	0.0108
delta-3-Carene	ND	ND	0.0108
alpha-Terpinene	ND	ND	0.0108
Z-beta-Ocimene	ND	ND	0.0108
gamma-Terpinene	ND	ND	0.0108
Terpinolene	ND	ND	0.0108
Total Terpenes	0.791	7.91	

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	48.1	200	Pass
Cadmium	48.1	200	Pass
Lead	48.1	500	Pass
Mercury	24.1	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

Amended 04/03/2024

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	4.27		
Aflatoxin B2	3.20		
Aflatoxin G1	3.20		
Aflatoxin G2	4.27		
Ochratoxin A	3.20		
Total Mycotoxins	3.20	20.0	Pass

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	3.20	10.0	Pass
Bifenthrin	3.20	10.0	Pass
Cyfluthrin	2.67	10.0	Pass
Etoxazole	3.20	10.0	Pass
Imazalil	3.20	10.0	Pass
Imidacloprid	3.20	10.0	Pass
Myclobutanil	3.20	10.0	Pass
Spiromesifen	3.20	10.0	Pass
Trifloxystrobin	3.20	10.0	Pass



Eric Steele, Lab Director
04/03/2024

END OF REPORT