



Smithers AMS LLC
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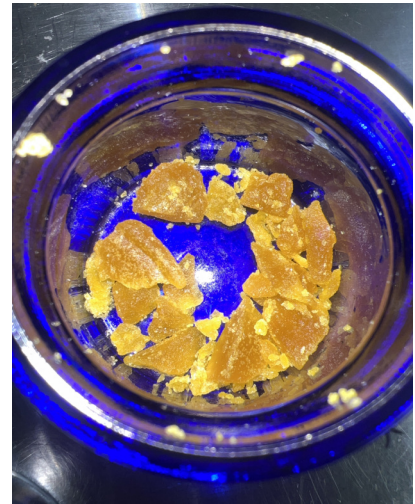


Customer: The Healing Rose
Address:
23 Hale St
Newburyport MA 01950
Phone: 978-409-1091
License #: MDAR 25190109P



Sample ID: 26968
Sample Name: Organic Broad Spectrum CBD Distillate
Sample Type: Concentrate
Received Date: 04/25/2025
Report Date: 04/29/2025
METRC ID: N/A
Client Batch ID: HE99
Client Sample Size: 5 grams

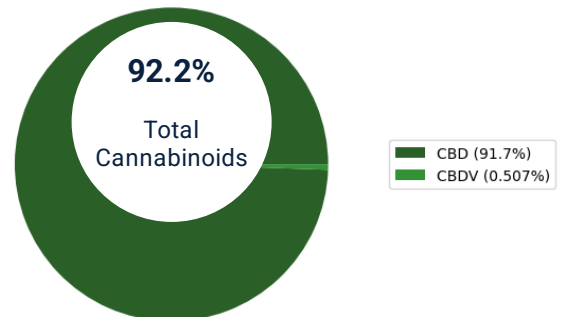
Certificate of Analysis



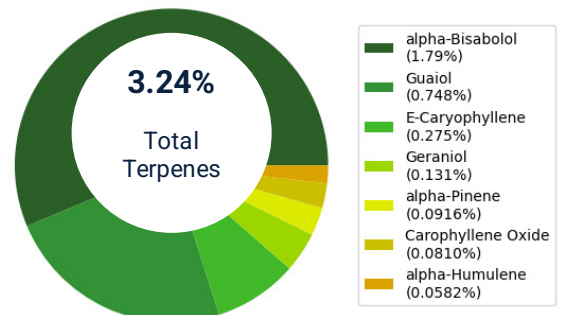
Results Summary

Cannabinoids	TESTED
04/28/2025	
Terpenes	TESTED
04/29/2025	
Heavy Metals	✓ PASS
04/29/2025	
Microbial Impurities	✓ PASS
04/28/2025	
Residual Solvents	✓ PASS
04/29/2025	
Mycotoxins	✓ PASS
04/29/2025	

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Cannabinoids

Date Started: 04/25/2025
Instrument: UPLC-PDA

Date Completed: 04/28/2025
Method: TP-09.001.05 & TP-09.012.05

Analyst: Yüemin Wang Kovaleff
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
CBD	91.7	917	0.115	1.49
CBDV	0.507	5.07	0.0285	0.0596
CBDVA	ND	ND	0.0100	0.0596
CBDA	ND	ND	0.00939	0.149
CBGA	ND	ND	0.00584	0.0744
CBG	ND	ND	0.00647	0.0744
Δ9-THCV	ND	ND	0.00803	0.0596
Δ8-THCV	ND	ND	0.0145	0.0596
THCVA	ND	ND	0.00633	0.0596
CBN	ND	ND	0.0102	0.0744
CBNA	ND	ND	0.00786	0.0596
Exo-THC	ND	ND	0.0119	0.0596
Δ9-THC	ND	ND	0.0275	0.149
Δ8-THC	ND	ND	0.0261	0.0744
CBL	ND	ND	0.0176	0.0596
THCA	ND	ND	0.0238	0.149
CBC	ND	ND	0.00705	0.0596
CBCA	ND	ND	0.0192	0.0596
Total THC	ND	ND		
Total CBD	91.7	917		
Total Cannabinoids	92.2	922		

Total THC = Δ9-THC + (THCA 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: 04/25/2025
Instrument: GC-MS

Date Completed: 04/29/2025
Method: TP-09.004.03

Analyst: Garrett Lane
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
alpha-Bisabolol	1.79	17.9	0.00454	0.0123
Guaiol	0.748	7.48	0.00267	0.0123
E-Caryophyllene	0.275	2.75	0.00538	0.0123
Geraniol	0.131	1.31	0.00381	0.0123
alpha-Pinene	0.0916	0.916	0.00103	0.0123
Carophyllene Oxide	0.0810	0.810	0.00277	0.0123
alpha-Humulene	0.0582	0.582	0.00265	0.0123
Linalool	0.0303	0.303	0.00374	0.0123
D-Limonene	0.0208	0.208	0.00259	0.0123
beta-Myrcene	0.0152	0.152	0.00206	0.0123
Eucalyptol	<LOQ	<LOQ	0.00372	0.0123
Camphene	ND	ND	0.00135	0.0123
beta-Pinene	ND	ND	0.00254	0.0123
E-beta-Ocimene	ND	ND	0.00507	0.0123
Isopulegol	ND	ND	0.00594	0.0123
Z-Nerolidol	ND	ND	0.00332	0.0123
E-Nerolidol	ND	ND	0.00279	0.0123
delta-3-Carene	ND	ND	0.00400	0.0123
alpha-Terpinene	ND	ND	0.00375	0.0123
Z-beta-Ocimene	ND	ND	0.00496	0.0123
gamma-Terpinene	ND	ND	0.00277	0.0123
Terpinolene	ND	ND	0.00153	0.0123
Total Terpenes	3.24	32.4		

Heavy Metals

✓ **PASS**

Date Started: 04/26/2025
Instrument: ICP-MS

Date Completed: 04/29/2025
Method: TP-09.007.01

Analyst: Meagan Mattos
Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	ND	12.0	81.3	200	Pass
Cadmium	ND	7.22	81.3	200	Pass
Lead	ND	6.64	81.3	500	Pass
Mercury	ND	5.79	40.7	100	Pass

Microbial Impurities

✓ **PASS**

Date Started: 04/25/2025
Instrument: TEMPO & Gene-Up

Date Completed: 04/28/2025
Method: TP-09.010.01 & TP-09.011.01

Analyst: Sydney Murphy
Deviation: N/A

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

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Certificate of Analysis

Residual Solvents

✓ **PASS**

Date Started: 04/28/2025
Instrument: HS-GC-MS

Date Completed: 04/29/2025
Method: TP-09.005.03

Analyst: Garrett Lane
Deviation: N/A

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
n-Propane	ND	0.394	1.55	12.0	Pass
Iso-butane	ND	0.259	1.55	12.0	Pass
n-Butane	ND	0.170	1.55	12.0	Pass
Methanol	ND	36.8	93.1	3000	Pass
Ethylene Oxide	ND	0.620	1.24		Pass
n-Pentane	ND	25.0	93.1	5000	Pass
Ethanol	ND	17.3	93.1	5000	Pass
Ethyl Ether	ND	23.5	93.1	5000	Pass
Acetone	ND	16.9	93.1	5000	Pass
Isopropyl Alcohol	ND	21.0	93.1	5000	Pass
Acetonitrile	ND	13.1	93.1	410	Pass
Methylene Chloride	ND	0.620	1.24	600	Pass
n-Hexane	ND	25.3	93.1	290	Pass
Ethyl Acetate	ND	14.6	93.1	5000	Pass
Chloroform	ND	0.620	1.24	60.0	Pass
1,2-Dichloroethane	ND	0.620	1.24	1870	Pass
Benzene	ND	0.620	1.24		Pass
n-Heptane	ND	27.1	93.1	5000	Pass
Trichloroethylene	ND	0.620	1.24	80.0	Pass
Toluene	ND	10.7	93.1	890	Pass
Total Xylenes	ND	18.4	46.5	2170	Pass

Mycotoxins

✓ **PASS**

Date Started: 04/28/2025
Instrument: LC-MS/MS

Date Completed: 04/29/2025
Method: TP-09.009.04

Analyst: Lana Rivera
Deviation: N/A

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	1.85	4.55		
Aflatoxin B2	ND	0.366	3.41		
Aflatoxin G1	ND	0.380	3.41		
Aflatoxin G2	ND	0.965	4.55		
Ochratoxin A	ND	1.05	3.41		
Total Mycotoxins	ND	0.366	3.41	20.0	Pass



Yuemin Wang Kovaleff, Lab
 Manager
 04/29/2025

END OF REPORT