

Smithers AMS LLC

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

Certificate of Analysis



Customer: The Healing Rose

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

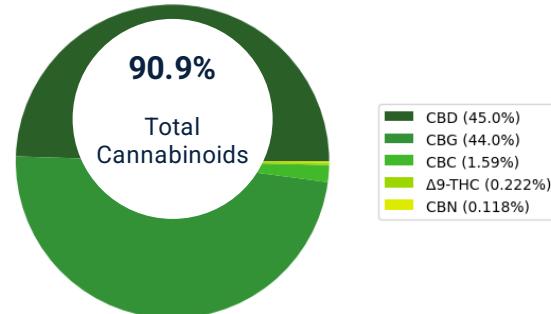


Sample ID: 33778
Sample Name: CBD:CBG 1:1 Distillate
Sample Type: Concentrate
Received Date: 09/08/2025
Report Date: 09/13/2025
METRC ID: N/A
Client Batch ID: HE104
Client Sample Size: 5 grams

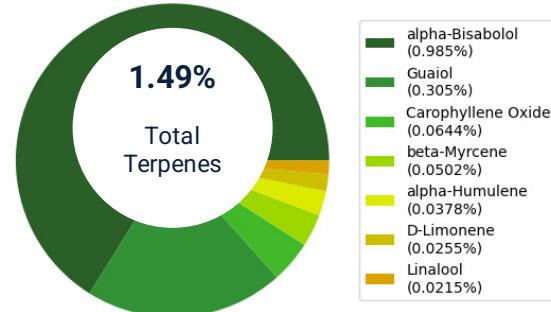
Results Summary

Cannabinoids	TESTED
09/10/2025	
Terpenes	TESTED
09/13/2025	
Heavy Metals	✓ PASS
09/12/2025	
Microbial Impurities	✓ PASS
09/12/2025	
Residual Solvents	✓ PASS
09/10/2025	
Pesticides and Mycotoxins	✓ PASS
09/11/2025	

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Cannabinoids

Date Started: 09/09/2025

Instrument: UPLC-PDA

Date Completed: 09/10/2025

Method: TP-09.001.05 & TP-09.012.05

Analyst: Yuemin Wang Kovaleff (B143510)

Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOQ (%)
CBD	45.0	450	1.48
CBG	44.0	440	0.740
CBC	1.59	15.9	0.0592
Δ9-THC	0.222	2.22	0.148
CBN	0.118	1.18	0.0740
CBDVA	ND	ND	0.0592
CBDV	ND	ND	0.0592
CBDA	ND	ND	0.148
CBGA	ND	ND	0.0740
Δ9-THCV	ND	ND	0.0592
Δ8-THCV	ND	ND	0.0592
THCVA	ND	ND	0.0592
CBNA	ND	ND	0.0592
Exo-THC	ND	ND	0.0592
Δ8-THC	ND	ND	0.0740
CBL	ND	ND	0.0592
THCA	ND	ND	0.148
CBCA	ND	ND	0.0592
Total THC	0.222	2.22	
Total CBD	45.0	450	
Total Cannabinoids	90.9	909	

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.

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Report Number: 33778.V1

Page 2 of 5

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Terpenes

Date Started: 09/09/2025
Instrument: GC-MS

Date Completed: 09/13/2025
Method: TP-09.004.03

Analyst: Lana Rivera (B144852)
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOQ (%)
alpha-Bisabolol	0.985	9.85	0.0147
Guaiol	0.305	3.05	0.0147
Carophyllene Oxide	0.0644	0.644	0.0147
beta-Myrcene	0.0502	0.502	0.0147
alpha-Humulene	0.0378	0.378	0.0147
D-Limonene	0.0255	0.255	0.0147
Linalool	0.0215	0.215	0.0147
alpha-Pinene	<LOQ	<LOQ	0.0147
Camphehe	ND	ND	0.0147
beta-Pinene	ND	ND	0.0147
E-beta-Ocimene	ND	ND	0.0147
Isopulegol	ND	ND	0.0147
Geraniol	ND	ND	0.0147
E-Caryophyllene	ND	ND	0.0147
Z-Nerolidol	ND	ND	0.0147
E-Nerolidol	ND	ND	0.0147
Eucalyptol	ND	ND	0.0147
delta-3-Carene	ND	ND	0.0147
alpha-Terpinene	ND	ND	0.0147
Z-beta-Ocimene	ND	ND	0.0147
gamma-Terpinene	ND	ND	0.0147
Terpinolene	ND	ND	0.0147
Total Terpenes	1.49	14.9	

Heavy Metals

 **PASS**

Date Started: 09/10/2025
Instrument: ICP-MS

Date Completed: 09/12/2025
Method: TP-09.007.03

Analyst: Meagan Mattos (B154555)
Deviation: N/A

Heavy Metals	LOQ (ppb)	Limit (ppb)	Status
Arsenic	76.7	200	Pass
Cadmium	76.7	200	Pass
Lead	76.7	500	Pass
Mercury	38.4	100	Pass

Microbial Impurities

 **PASS**

Date Started: 09/08/2025
Instrument: TEMPO & Gene-Up

Date Completed: 09/12/2025
Method: TP-09.010.01 & TP-09.011.01

Analyst: Sydney Murphy (B168056)
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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Residual Solvents

PASS

Date Started: 09/09/2025

Instrument: HS-GC-MS

Date Completed: 09/10/2025

Method: TP-09.005.03

Analyst: Lana Rivera (B144852)

Deviation: N/A

Residual Solvent	LOQ (ppm)	Limit (ppm)	Status
n-Propane	1.59	12.0	Pass
Iso-butane	1.59	12.0	Pass
n-Butane	1.59	12.0	Pass
Methanol	95.5	3000	Pass
Ethylene Oxide	1.27		Pass
n-Pentane	95.5	5000	Pass
Ethanol	95.5	5000	Pass
Ethyl Ether	95.5	5000	Pass
Acetone	95.5	5000	Pass
Isopropyl Alcohol	95.5	5000	Pass
Acetonitrile	95.5	410	Pass
Methylene Chloride	1.27	600	Pass
n-Hexane	95.5	290	Pass
Ethyl Acetate	95.5	5000	Pass
Chloroform	1.27	60.0	Pass
1,2-Dichloroethane	1.27	1870	Pass
Benzene	1.27		Pass
n-Heptane	95.5	5000	Pass
Trichloroethylene	1.27	80.0	Pass
Toluene	95.5	890	Pass
Total Xylenes	47.8	2170	Pass

Pesticides and Mycotoxins

PASS

Date Started: 09/09/2025

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

Date Completed: 09/11/2025

Method: TP-09.008.02 & TP-09.009.05

Analyst: Lana Rivera (B144852)

Deviation: N/A

Analyte	LOQ (ppb)	Limit (ppb)	Status
Bifenazate	3.34	10.0	Pass
Bifenthrin	3.34	10.0	Pass
Cyfluthrin	2.79	10.0	Pass
Etoxazole	3.34	10.0	Pass
Imazalil	3.34	10.0	Pass
Imidacloprid	3.34	10.0	Pass
Myclobutanil	3.34	10.0	Pass
Spiromesifen	4.46	10.0	Pass
Trifloxystrobin	3.34	10.0	Pass
Aflatoxin B1	3.34		
Aflatoxin B2	3.34		
Aflatoxin G1	3.34		
Aflatoxin G2	3.34		
Ochratoxin A	3.34		
Total Mycotoxins	3.34	20.0	Pass

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Report Number: 33778.V1

Page 4 of 5

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A handwritten signature in black ink that reads 'Yuemin Wang Kovaleff'.

Yuemin Wang Kovaleff, Lab

Manager

09/13/2025

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END OF REPORT

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Page 5 of 5

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