



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: 38692

Sample Name: Full Spectrum CBG Isolate - Organic

Sample Type: Isolate

Received Date: 12/05/2025

Report Date: 12/10/2025

METRC ID: N/A

Client Batch ID: HE106

Sanitization Method: None

Client Sample Size: 5 grams



Results Summary

Cannabinoids

12/10/2025

TESTED

Heavy Metals

12/09/2025

✓ PASS

Microbial Impurities

12/09/2025

✓ PASS

Residual Solvents

12/10/2025

✓ PASS

Mycotoxins

12/08/2025

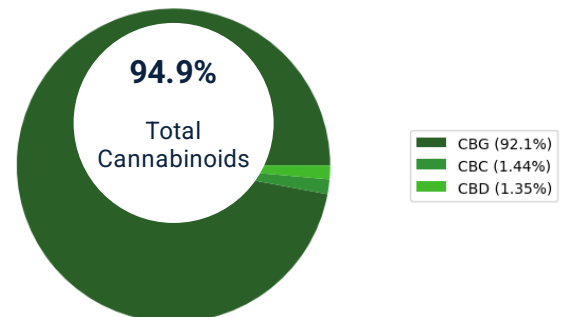
✓ PASS

Pesticides

12/10/2025

✓ PASS

Cannabinoid Distribution (%)



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Certificate of Analysis

Cannabinoids

Date Started: 12/08/2025
Instrument: UPLC-PDA

Date Completed: 12/10/2025
Method: TP-09.001.06 & TP-09.012.07

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

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
CBG	92.1	921	0.109	1.25
CBC	1.44	14.4	0.0119	0.100
CBD	1.35	13.5	0.0194	0.251
CBDVA	ND	ND	0.0169	0.100
CBDV	ND	ND	0.0479	0.100
CBDA	ND	ND	0.0158	0.251
CBGA	ND	ND	0.00982	0.125
Δ9-THCV	ND	ND	0.0135	0.100
Δ8-THCV	ND	ND	0.0245	0.100
THCVA	ND	ND	0.0106	0.100
CBN	ND	ND	0.0172	0.125
CBNA	ND	ND	0.0132	0.100
Exo-THC	ND	ND	0.0201	0.100
Δ9-THC	ND	ND	0.0463	0.251
Δ8-THC	ND	ND	0.0439	0.125
CBL	ND	ND	0.0297	0.100
THCA	ND	ND	0.0401	0.251
CBCA	ND	ND	0.0323	0.100
Total THC	ND	ND		
Total CBD	1.35	13.5		
Total Cannabinoids	94.9	949		

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.

Heavy Metals

✓ **PASS**

Date Started: 12/08/2025
Instrument: ICP-MS

Date Completed: 12/09/2025
Method: TP-09.007.04

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

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	ND	11.4	76.8	200	Pass
Cadmium	ND	6.82	76.8	200	Pass
Lead	ND	6.27	76.8	500	Pass
Mercury	ND	5.47	38.4	100	Pass

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Certificate of Analysis

Microbial Impurities

✓ **PASS**

Date Started: 12/05/2025
Instrument: TEMPO & Gene-Up

Date Completed: 12/09/2025
Method: TP-09.010.02 & TP-09.011.03

Analyst: Sydney Murphy (B168056)
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

Residual Solvents

✓ **PASS**

Date Started: 12/08/2025
Instrument: HS-GC-MS

Date Completed: 12/10/2025
Method: TP-09.005.04

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

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
n-Propane	ND	0.293	1.15	12.0	Pass
Iso-butane	ND	0.193	1.15	12.0	Pass
n-Butane	ND	0.126	1.15	12.0	Pass
Methanol	ND	27.4	69.2	3000	Pass
Ethylene Oxide	ND	0.461	0.923		Pass
n-Pentane	ND	18.6	69.2	5000	Pass
Ethanol	<LOQ	12.8	69.2	5000	Pass
Ethyl Ether	ND	17.5	69.2	5000	Pass
Acetone	ND	12.5	69.2	5000	Pass
Isopropyl Alcohol	ND	15.6	69.2	5000	Pass
Acetonitrile	ND	9.74	69.2	410	Pass
Methylene Chloride	ND	0.461	0.923	600	Pass
n-Hexane	ND	18.8	69.2	290	Pass
Ethyl Acetate	ND	10.8	69.2	5000	Pass
Chloroform	ND	0.461	0.923	60.0	Pass
1,2-Dichloroethane	ND	0.461	0.923	1870	Pass
Benzene	ND	0.461	0.923		Pass
n-Heptane	ND	20.1	69.2	5000	Pass
Trichloroethylene	ND	0.461	0.923	80.0	Pass
Toluene	ND	7.97	69.2	890	Pass
Total Xylenes	ND	13.7	34.6	2170	Pass

Mycotoxins

✓ **PASS**

Date Started: 12/06/2025
Instrument: LC-MS/MS

Date Completed: 12/08/2025
Method: TP-09.009.05

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

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	0.893	2.95		
Aflatoxin B2	ND	0.893	2.95		
Aflatoxin G1	ND	0.893	2.95		
Aflatoxin G2	ND	0.893	2.95		
Ochratoxin A	ND	0.893	2.95		
Total Mycotoxins	ND	0.893	2.95	20.0	Pass

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Certificate of Analysis

Pesticides

✓ PASS

Date Started: 12/05/2025

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

Date Completed: 12/10/2025

Method: TP-09.008.03 & TP-09.009.05

Analyst: Garrett Lane (B158413)

Deviation: N/A

Pesticide	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Bifenazate	ND	0.616	2.03	10.0	Pass
Bifenthrin	ND	0.616	2.03	10.0	Pass
Cyfluthrin	ND	0.269	1.69	10.0	Pass
Etoxazole	ND	0.616	2.03	10.0	Pass
Imazalil	ND	0.616	2.03	10.0	Pass
Imidacloprid	ND	0.616	2.03	10.0	Pass
Myclobutanil	ND	0.616	2.03	10.0	Pass
Spiromesifen	ND	0.820	2.71	10.0	Pass
Trifloxystrobin	ND	0.616	2.03	10.0	Pass



Yuemin Wang Kovaleff, Lab
Manager
12/10/2025

END OF REPORT

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