



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: 28460

Sample Name: CBN Isolate

Sample Type: Isolate

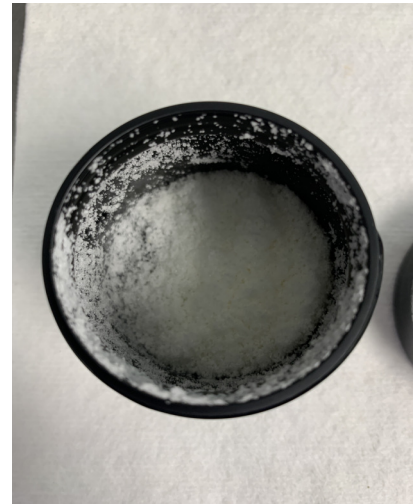
Received Date: 05/29/2025

Report Date: 06/02/2025

METRC ID: N/A

Client Batch ID: HE101

Client Sample Size: 5 grams



Results Summary

Cannabinoids

05/30/2025

TESTED

Heavy Metals

05/31/2025

✓ PASS

Microbial Impurities

06/02/2025

✓ PASS

Residual Solvents

06/02/2025

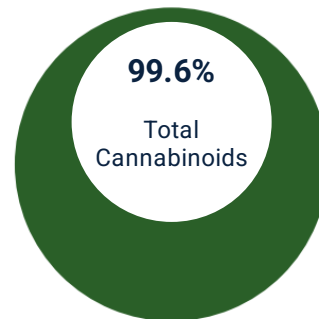
✓ PASS

Mycotoxins

06/02/2025

✓ PASS

Cannabinoid Distribution (%)



CBN (99.6%)

Disclaimer: The results presented within this report pertain only to the sample(s) indicated, as received by Smithers AMS LLC. Smithers AMS LLC is responsible for the information provided in this report, unless indicated that the customer provided the information. This report shall not be reproduced, except in full, without the written approval of Smithers AMS LLC. Action limits used to dictate pass/fail criteria are set by the Massachusetts Cannabis Control Commission.



Report Number: 28460.V1

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Certificate of Analysis

Cannabinoids

Date Started: 05/29/2025
Instrument: UPLC-PDA

Date Completed: 05/30/2025
Method: TP-09.001.05 & TP-09.012.05

Analyst: Yueming Wang Kovaleff
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
CBN	99.6	996	0.139	1.01
CBDVA	ND	ND	0.0136	0.0810
CBDV	ND	ND	0.0387	0.0810
CBDA	ND	ND	0.0128	0.202
CBGA	ND	ND	0.00794	0.101
CBG	ND	ND	0.00879	0.101
CBD	ND	ND	0.0157	0.202
Δ9-THCV	ND	ND	0.0109	0.0810
Δ8-THCV	ND	ND	0.0198	0.0810
THCVA	ND	ND	0.00860	0.0810
CBNA	ND	ND	0.0107	0.0810
Exo-THC	ND	ND	0.0162	0.0810
Δ9-THC	ND	ND	0.0374	0.202
Δ8-THC	ND	ND	0.0355	0.101
CBL	ND	ND	0.0240	0.0810
THCA	ND	ND	0.0324	0.202
CBC	ND	ND	0.00959	0.0810
CBCA	ND	ND	0.0261	0.0810
Total THC	ND	ND		
Total CBD	ND	ND		
Total Cannabinoids	99.6	996		

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: 05/29/2025
Instrument: ICP-MS

Date Completed: 05/31/2025
Method: TP-09.007.01

Analyst: Meagan Mattos
Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	ND	12.2	82.4	200	Pass
Cadmium	ND	7.31	82.4	200	Pass
Lead	ND	6.72	82.4	500	Pass
Mercury	ND	5.86	41.2	100	Pass

Microbial Impurities

✓ **PASS**

Date Started: 05/29/2025
Instrument: TEMPO & Gene-Up

Date Completed: 06/02/2025
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: 05/30/2025
Instrument: HS-GC-MS

Date Completed: 06/02/2025
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	0.393	1.54	12.0	Pass
Iso-butane	ND	0.258	1.54	12.0	Pass
n-Butane	<LOQ	0.169	1.54	12.0	Pass
Methanol	ND	36.7	92.8	3000	Pass
Ethylene Oxide	ND	0.618	1.24		Pass
n-Pentane	ND	24.9	92.8	5000	Pass
Ethanol	ND	17.2	92.8	5000	Pass
Ethyl Ether	ND	23.4	92.8	5000	Pass
Acetone	ND	16.8	92.8	5000	Pass
Isopropyl Alcohol	ND	21.0	92.8	5000	Pass
Acetonitrile	ND	13.1	92.8	410	Pass
Methylene Chloride	ND	0.618	1.24	600	Pass
n-Hexane	ND	25.2	92.8	290	Pass
Ethyl Acetate	ND	14.5	92.8	5000	Pass
Chloroform	ND	0.618	1.24	60.0	Pass
1,2-Dichloroethane	ND	0.618	1.24	1870	Pass
Benzene	ND	0.618	1.24		Pass
n-Heptane	152	27.0	92.8	5000	Pass
Trichloroethylene	ND	0.618	1.24	80.0	Pass
Toluene	ND	10.7	92.8	890	Pass
Total Xylenes	ND	18.3	46.4	2170	Pass

Mycotoxins

✓ **PASS**

Date Started: 05/29/2025
Instrument: LC-MS/MS

Date Completed: 06/02/2025
Method: TP-09.009.05

Analyst: Lana Rivera
Deviation: N/A

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	0.759	2.50		
Aflatoxin B2	ND	0.759	2.50		
Aflatoxin G1	ND	0.759	2.50		
Aflatoxin G2	ND	0.759	2.50		
Ochratoxin A	ND	0.759	2.50		
Total Mycotoxins	ND	0.759	2.50	20.0	Pass



Yuemin Wang Kovaleff, Lab
 Manager
 06/02/2025

END OF REPORT