



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



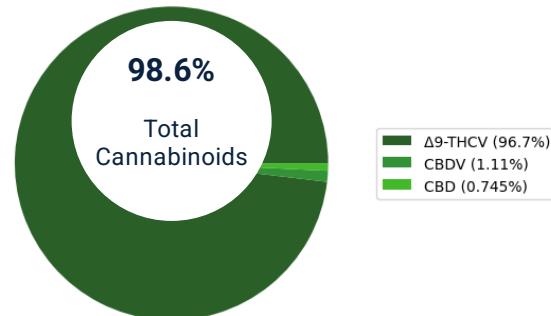
Sample ID: 26808
Sample Name: THCV Isolate
Sample Type: Isolate
Received Date: 04/23/2025
Report Date: 04/28/2025
METRC ID: N/A
Client Batch ID: HE98
Client Sample Size: 5 grams



Results Summary

Cannabinoids	TESTED
04/24/2025	
Heavy Metals	✓ PASS
04/26/2025	
Microbial Impurities	✓ PASS
04/28/2025	
Residual Solvents	✓ PASS
04/24/2025	
Mycotoxins	✓ PASS
04/25/2025	

Cannabinoid Distribution (%)



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Cannabinoids

Date Started: 04/23/2025

Instrument: UPLC-PDA

Date Completed: 04/24/2025

Method: TP-09.001.05 & TP-09.012.05

Analyst: Yuemin Wang Kovaleff

Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
Δ9-THCV	96.7	967	0.0975	0.724
CBDV	1.11	11.1	0.0346	0.0724
CBD	0.745	7.45	0.0140	0.181
CBDVA	ND	ND	0.0122	0.0724
CBDA	ND	ND	0.0114	0.181
CBGA	ND	ND	0.00709	0.0905
CBG	ND	ND	0.00786	0.0905
Δ8-THCV	ND	ND	0.0177	0.0724
THCVA	ND	ND	0.00769	0.0724
CBN	ND	ND	0.0124	0.0905
CBNA	ND	ND	0.00955	0.0724
Exo-THC	ND	ND	0.0145	0.0724
Δ9-THC	ND	ND	0.0334	0.181
Δ8-THC	ND	ND	0.0317	0.0905
CBL	ND	ND	0.0214	0.0724
THCA	ND	ND	0.0289	0.181
CBC	ND	ND	0.00857	0.0724
CBCA	ND	ND	0.0233	0.0724
Total THC	ND	ND		
Total CBD	0.745	7.45		
Total Cannabinoids	98.6	986		

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.

✓ **PASS**

Heavy Metals

Date Started: 04/24/2025

Instrument: ICP-MS

Date Completed: 04/26/2025

Method: TP-09.007.01

Analyst: Meagan Mattos

Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	ND	11.0	74.4	200	Pass
Cadmium	ND	6.60	74.4	200	Pass
Lead	ND	6.07	74.4	500	Pass
Mercury	ND	5.29	37.2	100	Pass

✓ **PASS**

Microbial Impurities

Date Started: 04/23/2025

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: 04/23/2025

Instrument: HS-GC-MS

Date Completed: 04/24/2025

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	0.365	1.43	12.0	Pass
Iso-butane	ND	0.240	1.43	12.0	Pass
n-Butane	ND	0.157	1.43	12.0	Pass
Methanol	ND	34.1	86.2	3000	Pass
Ethylene Oxide	ND	0.574	1.15		Pass
n-Pentane	ND	23.2	86.2	5000	Pass
Ethanol	ND	16.0	86.2	5000	Pass
Ethyl Ether	ND	21.8	86.2	5000	Pass
Acetone	ND	15.6	86.2	5000	Pass
Isopropyl Alcohol	ND	19.5	86.2	5000	Pass
Acetonitrile	ND	12.1	86.2	410	Pass
Methylene Chloride	ND	0.574	1.15	600	Pass
n-Hexane	ND	23.4	86.2	290	Pass
Ethyl Acetate	ND	13.5	86.2	5000	Pass
Chloroform	ND	0.574	1.15	60.0	Pass
1,2-Dichloroethane	ND	0.574	1.15	1870	Pass
Benzene	ND	0.574	1.15		Pass
n-Heptane	ND	25.1	86.2	5000	Pass
Trichloroethylene	ND	0.574	1.15	80.0	Pass
Toluene	ND	9.93	86.2	890	Pass
Total Xylenes	ND	17.0	43.1	2170	Pass

Mycotoxins

PASS

Date Started: 04/23/2025

Instrument: LC-MS/MS

Date Completed: 04/25/2025

Method: TP-09.009.04

Analyst: Lana Rivera

Deviation: N/A

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	2.01	4.94		
Aflatoxin B2	ND	0.398	3.71		
Aflatoxin G1	ND	0.413	3.71		
Aflatoxin G2	ND	1.05	4.94		
Ochratoxin A	ND	1.14	3.71		
Total Mycotoxins	ND	0.398	3.71	20.0	Pass

Yuemin Wang Kovaleff, Lab
Manager
04/28/2025

END OF REPORT

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