



Smithers AMS LLC

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



**Customer:** The Healing Rose

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



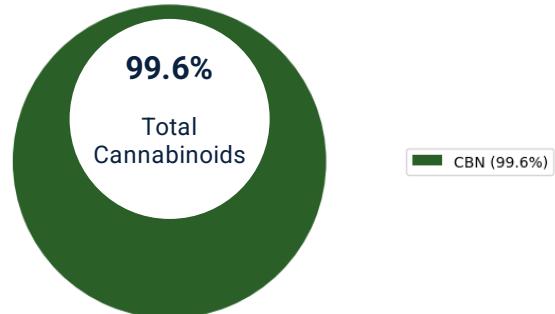
**Sample ID:** 28460  
**Sample Name:** CBN Isolate  
**Sample Type:** Isolate  
**Received Date:** 05/29/2025  
**Report Date:** 06/02/2025  
**METRC ID:** N/A  
**Client Batch ID:** HE101  
**Client Sample Size:** 5 grams



### Results Summary

Cannabinoids	TESTED
05/30/2025	
Heavy Metals	<input checked="" type="checkbox"/> PASS
05/31/2025	
Microbial Impurities	<input checked="" type="checkbox"/> PASS
06/02/2025	
Residual Solvents	<input checked="" type="checkbox"/> PASS
06/02/2025	
Mycotoxins	<input checked="" type="checkbox"/> PASS
06/02/2025	

### Cannabinoid Distribution (%)



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## Cannabinoids

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

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

**Analyst:** Yuemin 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
<b>Total THC</b>	<b>ND</b>	<b>ND</b>		
<b>Total CBD</b>	<b>ND</b>	<b>ND</b>		
<b>Total Cannabinoids</b>	<b>99.6</b>	<b>996</b>		

**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

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