

Certificate of Analysis



Customer: Bay State Extracts

Address:

3065 Cranberry Highway
 East Wareham MA 02538

Phone: 800-847-4427

License #: MDAR 25200133P



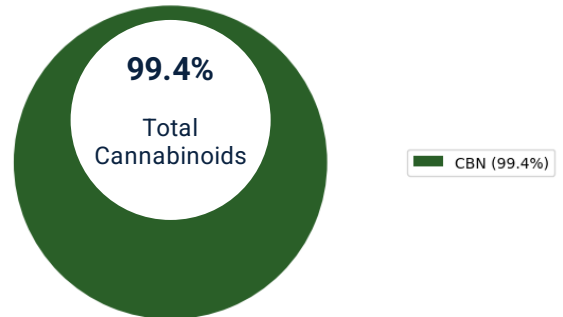
Sample ID: 38644
Sample Name: CBN Isolate
Sample Type: Isolate
Received Date: 12/01/2025
Report Date: 12/06/2025
METRC ID: N/A
Client Batch ID: 25329N
Sanitization Method: None
Client Sample Size: 10 grams



Results Summary

Cannabinoids 12/01/2025	TESTED
Heavy Metals 12/06/2025	✓ PASS
Microbial Impurities 12/05/2025	✓ PASS
Residual Solvents 12/02/2025	✓ PASS
Mycotoxins 12/05/2025	✓ PASS

Cannabinoid Distribution (%)





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Smithers AMS LLC
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Wareham, MA 02571
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Phone: 508-295-2550

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Cannabinoids

Date Started: 12/01/2025
Instrument: UPLC-PDA

Date Completed: 12/01/2025
Method: TP-09.001.06 & TP-09.012.07

Analyst: Eric Steele (B142279)
Deviation: N/A

Table with 5 columns: Cannabinoid, Result (%), Result (mg/g), LOD (%), LOQ (%). Rows include CBN, CBDVA, CBDV, CBDA, CBGA, CBG, CBD, Delta-9-THCV, Delta-8-THCV, THCVA, CBNA, Exo-THC, Delta-9-THC, Delta-8-THC, CBL, THCA, CBC, CBCA, Total THC, Total CBD, Total Cannabinoids.

Total THC = Delta-9-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: 12/03/2025
Instrument: ICP-MS

Date Completed: 12/06/2025
Method: TP-09.007.04

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

Table with 6 columns: Heavy Metals, Result (ppb), LOD (ppb), LOQ (ppb), Limit (ppb), Status. Rows include Arsenic, Cadmium, Lead, Mercury.

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Microbial Impurities

✓ PASS

Date Started: 12/01/2025
Instrument: TEMPO & Gene-Up

Date Completed: 12/05/2025
Method: TP-09.010.02 & TP-09.011.03

Analyst: Sydney Murphy (B168056)
Deviation: N/A

Microbiols	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: 12/01/2025
Instrument: HS-GC-MS

Date Completed: 12/02/2025
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	0.373	1.47	12.0	Pass
Iso-butane	ND	0.245	1.47	12.0	Pass
n-Butane	<LOQ	0.161	1.47	12.0	Pass
Methanol	ND	34.9	88.2	3000	Pass
Ethylene Oxide	ND	0.587	1.17		Pass
n-Pentane	ND	23.7	88.2	5000	Pass
Ethanol	ND	16.4	88.2	5000	Pass
Ethyl Ether	ND	22.3	88.2	5000	Pass
Acetone	ND	16.0	88.2	5000	Pass
Isopropyl Alcohol	ND	19.9	88.2	5000	Pass
Acetonitrile	ND	12.4	88.2	410	Pass
Methylene Chloride	ND	0.587	1.17	600	Pass
n-Hexane	ND	24.0	88.2	290	Pass
Ethyl Acetate	ND	13.8	88.2	5000	Pass
Chloroform	ND	0.587	1.17	60.0	Pass
1,2-Dichloroethane	ND	0.587	1.17	1870	Pass
Benzene	ND	0.587	1.17		Pass
n-Heptane	209	25.7	88.2	5000	Pass
Trichloroethylene	ND	0.587	1.17	80.0	Pass
Toluene	ND	10.2	88.2	890	Pass
Total Xylenes	ND	17.4	44.1	2170	Pass

Mycotoxins

✓ PASS

Date Started: 12/04/2025
Instrument: LC-MS/MS

Date Completed: 12/05/2025
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	0.851	2.81		
Aflatoxin B2	ND	0.851	2.81		
Aflatoxin G1	ND	0.851	2.81		
Aflatoxin G2	ND	0.851	2.81		
Ochratoxin A	ND	0.851	2.81		
Total Mycotoxins	ND	0.851	2.81	20.0	Pass

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Yuemin Wang Kovaleff, Lab
Manager
12/06/2025

END OF REPORT

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