

Certificate of Analysis



Customer: Bay State Extracts

Address:

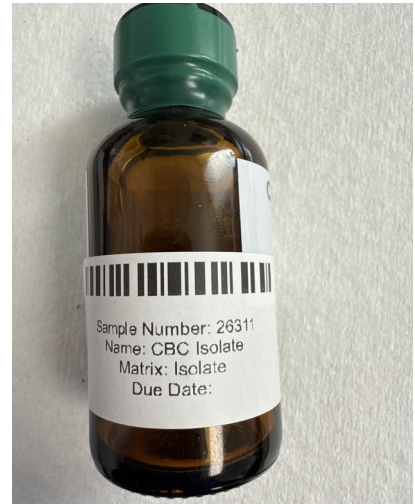
3065 Cranberry Highway
 East Wareham MA 02538

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License #: MDAR 25200133P



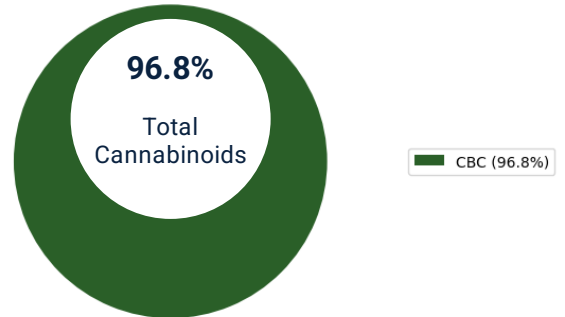
Sample ID: 26311
Sample Name: CBC Isolate
Sample Type: Isolate
Received Date: 04/10/2025
Report Date: 04/15/2025
METRC ID: N/A
Client Batch ID: 25085C



Results Summary

Cannabinoids	TESTED
04/14/2025	
Heavy Metals	✓ PASS
04/12/2025	
Microbial Impurities	✓ PASS
04/14/2025	
Residual Solvents	✓ PASS
04/14/2025	
Mycotoxins	✓ PASS
04/15/2025	

Cannabinoid Distribution (%)





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

Certificate of Analysis

Cannabinoids

Date Started: 04/11/2025
Instrument: UPLC-PDA

Date Completed: 04/14/2025
Method: TP-09.001.05 & TP-09.012.05

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
CBC	96.8	968	0.0656	0.554
CBDVA	ND	ND	0.00932	0.0554
CBDV	ND	ND	0.0265	0.0554
CBDA	ND	ND	0.00873	0.139
CBGA	ND	ND	0.00543	0.0693
CBG	ND	ND	0.00602	0.0693
CBD	ND	ND	0.0107	0.139
Δ9-THCV	ND	ND	0.00747	0.0554
Δ8-THCV	ND	ND	0.0135	0.0554
THCVA	ND	ND	0.00588	0.0554
CBN	ND	ND	0.00948	0.0693
CBNA	ND	ND	0.00731	0.0554
Exo-THC	ND	ND	0.0111	0.0554
Δ9-THC	ND	ND	0.0256	0.139
Δ8-THC	ND	ND	0.0243	0.0693
CBL	ND	ND	0.0164	0.0554
THCA	ND	ND	0.0222	0.139
CBCA	ND	ND	0.0178	0.0554
Total THC	ND	ND		
Total CBD	ND	ND		
Total Cannabinoids	96.8	968		

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: 04/11/2025
Instrument: ICP-MS

Date Completed: 04/12/2025
Method: TP-09.007.01

Analyst: Meagan Mattos
Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	ND	11.4	77.1	200	Pass
Cadmium	ND	6.84	77.1	200	Pass
Lead	ND	6.29	77.1	500	Pass
Mercury	ND	5.49	38.5	100	Pass

Microbial Impurities

✓ PASS

Date Started: 04/10/2025
Instrument: TEMPO & Gene-Up

Date Completed: 04/14/2025
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: 04/11/2025
Instrument: HS-GC-MS

Date Completed: 04/14/2025
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	0.377	1.48	12.0	Pass
Iso-butane	ND	0.248	1.48	12.0	Pass
n-Butane	ND	0.162	1.48	12.0	Pass
Methanol	ND	35.2	89.0	3000	Pass
n-Pentane	ND	23.9	89.0	5000	Pass
Ethanol	ND	16.5	89.0	5000	Pass
Ethyl Ether	ND	22.5	89.0	5000	Pass
Acetone	ND	16.1	89.0	5000	Pass
Isopropyl Alcohol	ND	20.1	89.0	5000	Pass
Acetonitrile	ND	12.5	89.0	410	Pass
Methylene Chloride	ND	0.593	1.19	600	Pass
n-Hexane	ND	24.2	89.0	290	Pass
Ethyl Acetate	ND	13.9	89.0	5000	Pass
Chloroform	ND	0.593	1.19	60.0	Pass
1,2-Dichloroethane	ND	0.593	1.19	1870	Pass
Benzene	ND	0.593	1.19		Pass
n-Heptane	ND	25.9	89.0	5000	Pass
Trichloroethylene	ND	0.593	1.19	80.0	Pass
Toluene	ND	10.2	89.0	890	Pass
Total Xylenes	ND	17.6	44.5	2170	Pass

Mycotoxins

✓ PASS

Date Started: 04/14/2025
Instrument: LC-MS/MS

Date Completed: 04/15/2025
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
04/15/2025

END OF REPORT

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