



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

Certificate of Analysis



Customer: Bay State Extracts
Address:
 3065 Cranberry Highway
 East Wareham MA 02538
Phone: 800-847-4427
License #: MDAR 25200133P

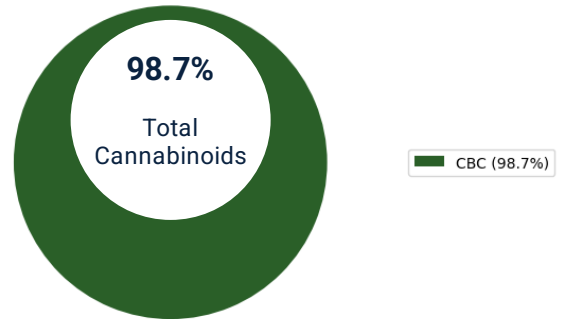


Sample ID: 4066
Sample Name: CBC Isolate
Sample Type: Isolate
Received Date: 02/09/2023
Report Date: 02/16/2023
METRC ID: N/A
Client Batch ID: 23039C
Client Sample Size: 10 g

Results Summary

Cannabinoids 02/11/2023	TESTED
Heavy Metals 02/16/2023	✓ PASS
Microbial Impurities 02/16/2023	✓ PASS
Residual Solvents 02/15/2023	✓ PASS
Mycotoxins 02/16/2023	✓ PASS

Cannabinoid Distribution (%)



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Cannabinoids

Date Started: 02/09/2023

Instrument: UPLC-PDA

Date Completed: 02/11/2023

Method: TP-09.001.03 & TP-09.012.03

Analyst: Yuemin Wang Kovaleff

Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOQ (%)
CBC	98.7	987	1.45
CBDVA	ND	ND	0.0363
CBDV	ND	ND	0.0363
CBDA	ND	ND	0.0907
CBGA	ND	ND	0.0454
CBG	ND	ND	0.0454
CBD	ND	ND	0.0907
Δ9-THCV	ND	ND	0.0363
Δ8-THCV	ND	ND	0.0363
THCVA	ND	ND	0.0363
CBN	ND	ND	0.0454
CBNA	ND	ND	0.0363
Exo-THC	ND	ND	0.0363
Δ9-THC	ND	ND	0.0907
Δ8-THC	ND	ND	0.0454
CBL	ND	ND	0.0363
THCA-A	ND	ND	0.0907
CBCA	ND	ND	0.0363
Total THC	ND	ND	
Total CBD	ND	ND	
Total Cannabinoids	98.7	987	

Total THC = Δ9-THC + Δ8-THC + (THCA-A 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: 02/16/2023

Instrument: ICP-MS

Date Completed: 02/16/2023

Method: TP-09.007.01

Analyst: Lana Rivera

Deviation: N/A

Heavy Metals	LOQ (ppb)	Limit (ppb)	Status
Arsenic	45.3	200	Pass
Cadmium	45.3	200	Pass
Lead	45.3	500	Pass
Mercury	22.7	100	Pass

Microbial Impurities

✓ PASS

Date Started: 02/13/2023

Instrument: TEMPO & Gene-Up

Date Completed: 02/16/2023

Method: TP-09.010.01 & TP-09.011.01

Analyst: Lana Rivera

Deviation: N/A

Microbials	Limit (CFU/g)	Status
Coliforms	1000	Pass
Bile-Tolerant Gram-Negative Bacteria	1000	Pass
Yeast & Mold	10000	Pass
Aerobic Bacteria	100000	Pass
E.coli		Pass
Salmonella		Pass

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Residual Solvents

✓ PASS

Date Started: 02/10/2023
Instrument: HS-GC-MS

Date Completed: 02/15/2023
Method: TP-09.005.03

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Residual Solvent	LOQ (ppm)	Limit (ppm)	Status
n-Propane	1.70	12.0	Pass
Iso-butane	1.70	12.0	Pass
n-Butane	1.70	12.0	Pass
Methanol	102	3000	Pass
Ethylene Oxide	0.679		Pass
n-Pentane	102	5000	Pass
Ethanol	102	5000	Pass
Ethyl Ether	102	5000	Pass
Acetone	102	5000	Pass
Isopropyl Alcohol	102	5000	Pass
Acetonitrile	102	410	Pass
Methylene Chloride	0.679	600	Pass
n-Hexane	102	290	Pass
Ethyl Acetate	102	5000	Pass
Chloroform	0.679	60.0	Pass
1,2-Dichloroethane	0.679	1870	Pass
Benzene	0.679		Pass
n-Heptane	102	5000	Pass
Trichloroethylene	0.679	80.0	Pass
Toluene	102	890	Pass
Total Xylenes	51.0	2170	Pass

Mycotoxins

✓ PASS

Date Started: 02/10/2023
Instrument: LC-MS/MS

Date Completed: 02/16/2023
Method: TP-09.009.01

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Mycotoxins	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	4.13		
Aflatoxin B2	3.10		
Aflatoxin G1	3.10		
Aflatoxin G2	4.13		
Ochratoxin A	3.10		
Total Mycotoxins	3.10	20.0	Pass

Eric Steele, Lab Director
02/16/2023

END OF REPORT

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