

Certificate of Analysis



Customer: Bay State Extracts

Address:

3065 Cranberry Highway
 East Wareham MA 02538

Phone: 800-847-4427

License #: MDAR 25200133P

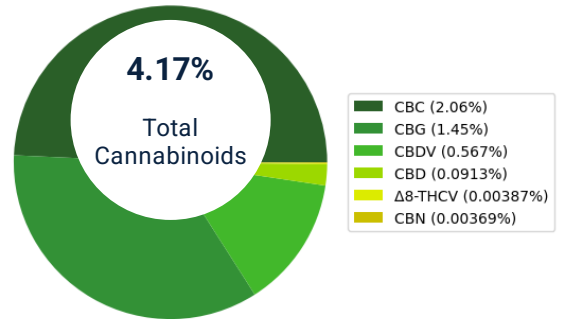


Sample ID: 21009
Sample Name: Trifecta Bliss 1200mg Oil Drops
Sample Type: Tincture
Received Date: 12/03/2024
Report Date: 12/07/2024
METRC ID: N/A
Client Batch ID: 24306BL
Client Sample Size: 30 milliliters
Unit Weight (g): 0.9

Results Summary

Category	Result
Cannabinoids 12/03/2024	TESTED
Heavy Metals 12/06/2024	✓ PASS
Microbial Impurities 12/06/2024	✓ PASS
Residual Solvents 12/07/2024	✓ PASS
Mycotoxins 12/06/2024	✓ PASS

Cannabinoid Distribution (%)





SMITHERS

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

Certificate of Analysis

Cannabinoids

Date Started: 12/03/2024
Instrument: UPLC-PDA

Date Completed: 12/03/2024
Method: TP-09.001.05 & TP-09.012.05

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/serving)	Result (mg/package)	LOQ (mg/serving)
CBC	2.06	18.5	555	0.0185
CBG	1.45	13.1	392	0.0231
CBDV	0.567	5.11	153	0.0185
CBD	0.0913	0.821	24.6	0.00495
Δ8-THCV	0.00387	0.0349	1.05	0.00198
CBN	0.00369	0.0332	0.997	0.00248
CBDVA	ND	ND	ND	0.00198
CBDA	ND	ND	ND	0.00495
CBGA	ND	ND	ND	0.00248
Δ9-THCV	ND	ND	ND	0.00198
THCVA	ND	ND	ND	0.00198
CBNA	ND	ND	ND	0.00198
Exo-THC	ND	ND	ND	0.00198
Δ9-THC	ND	ND	ND	0.00495
Δ8-THC	ND	ND	ND	0.00248
CBL	ND	ND	ND	0.00198
THCA	ND	ND	ND	0.00495
CBCA	ND	ND	ND	0.00198
Total THC	ND	ND	ND	
Total CBD	0.0913	0.821	24.6	
Total Cannabinoids	4.17	37.6	1127	

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: 12/05/2024
Instrument: ICP-MS

Date Completed: 12/06/2024
Method: TP-09.007.01

Analyst: Meagan Mattos
Deviation: N/A

Heavy Metals	LOQ (ppb)	Limit (ppb)	Status
Arsenic	81.5	200	Pass
Cadmium	81.5	200	Pass
Lead	81.5	500	Pass
Mercury	40.7	100	Pass

Microbial Impurities

✓ PASS

Date Started: 12/03/2024
Instrument: TEMPO & Gene-Up

Date Completed: 12/06/2024
Method: TP-09.010.01 & TP-09.011.01

Analyst: Garrett Lane
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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Smithers AMS LLC
790 Main St
Wareham, MA 02571
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Certificate of Analysis

Residual Solvents

✓ PASS

Date Started: 12/05/2024
Instrument: HS-GC-MS

Date Completed: 12/07/2024
Method: TP-09.005.03

Analyst: Garrett Lane
Deviation: N/A

Residual Solvent	LOQ (ppm)	Limit (ppm)	Status
n-Propane	1.38	12.0	Pass
Iso-butane	1.38	12.0	Pass
n-Butane	1.38	12.0	Pass
Methanol	83.0	3000	Pass
Ethylene Oxide	1.11		Pass
n-Pentane	83.0	5000	Pass
Ethanol	83.0	5000	Pass
Ethyl Ether	83.0	5000	Pass
Acetone	83.0	5000	Pass
Isopropyl Alcohol	83.0	5000	Pass
Acetonitrile	83.0	410	Pass
Methylene Chloride	1.11	600	Pass
n-Hexane	83.0	290	Pass
Ethyl Acetate	83.0	5000	Pass
Chloroform	1.11	60.0	Pass
1,2-Dichloroethane	1.11	1870	Pass
Benzene	1.11		Pass
n-Heptane	83.0	5000	Pass
Trichloroethylene	1.11	80.0	Pass
Toluene	83.0	890	Pass
Total Xylenes	41.5	2170	Pass

Mycotoxins

✓ PASS

Date Started: 12/05/2024
Instrument: LC-MS/MS

Date Completed: 12/06/2024
Method: TP-09.009.04

Analyst: Lana Rivera
Deviation: N/A

Mycotoxins	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	4.85		
Aflatoxin B2	3.64		
Aflatoxin G1	3.64		
Aflatoxin G2	4.85		
Ochratoxin A	3.64		
Total Mycotoxins	3.64	20.0	Pass

Eric Steele, Lab Director
12/07/2024

END OF REPORT

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