



Customer: Bay State Extracts

Address:

3065 Cranberry Highway
 East Wareham MA 02538

Phone: 800-847-4427

License #: MDAR 25200133P

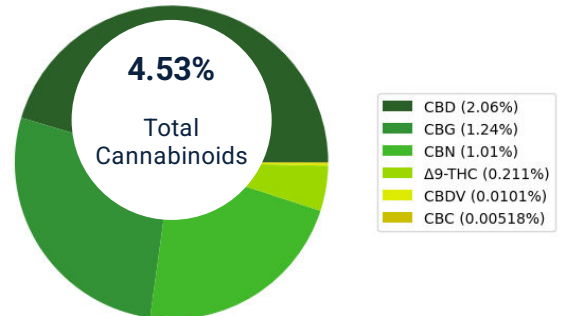


Sample ID: 7287
Sample Name: Trifecta Relax Plus
Sample Type: Tincture
Received Date: 09/20/2023
Report Date: 09/24/2023
METRC ID: N/A
Client Batch ID: TFR23262
Client Sample Size: 28.5 g
Unit Weight (g): 0.95

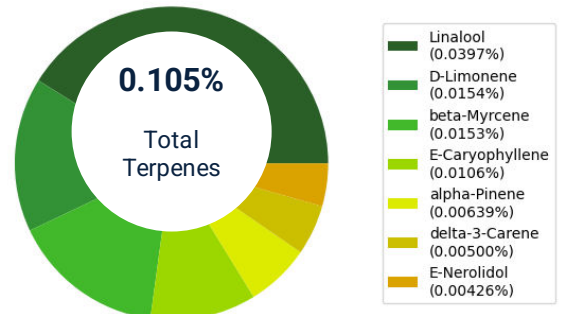
Results Summary

Cannabinoids 09/21/2023	TESTED
Terpenes 09/23/2023	TESTED
Heavy Metals 09/22/2023	✓ PASS
Microbial Impurities 09/24/2023	✓ PASS
Residual Solvents 09/23/2023	✓ PASS
Mycotoxins 09/22/2023	✓ PASS

Cannabinoid Distribution (%)



Terpene 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: 09/20/2023

Instrument: UPLC-PDA

Date Completed: 09/21/2023

Method: TP-09.001.04 & TP-09.012.04

Analyst: Yuemin Wang Kovaleff

Deviation: N/A

Cannabinoid	Result (%)	Result (mg/serving)	Result (mg/package)	LOQ (mg/serving)
CBD	2.06	19.6	587	0.0428
CBG	1.24	11.8	354	0.0214
CBN	1.01	9.56	287	0.0214
Δ9-THC	0.211	2.01	60.2	0.00396
CBDV	0.0101	0.0956	2.87	0.00158
CBC	0.00518	0.0492	1.48	0.00158
CBDVA	ND	ND	ND	0.00158
CBDA	ND	ND	ND	0.00396
CBGA	ND	ND	ND	0.00198
Δ9-THCV	ND	ND	ND	0.00158
Δ8-THCV	ND	ND	ND	0.00158
THCVA	ND	ND	ND	0.00158
CBNA	ND	ND	ND	0.00158
Exo-THC	ND	ND	ND	0.00158
Δ8-THC	ND	ND	ND	0.00198
CBL	ND	ND	ND	0.00158
THCA-A	ND	ND	ND	0.00396
CBCA	ND	ND	ND	0.00158
Total THC	0.211	2.01	60.2	
Total CBD	2.06	19.6	587	
Total Cannabinoids	4.53	43.1	1292	

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.

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Smithers AMS LLC

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

Certificate of Analysis

Terpenes

Date Started: 09/20/2023
Instrument: GC-MS

Date Completed: 09/23/2023
Method: TP-09.004.03

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Terpene	Result (ppm)	Result (mg/g)	Result (%)	LOQ (ppm)
Linalool	50.2	0.397	0.0397	0.000989
D-Limonene	19.4	0.154	0.0154	0.000989
beta-Myrcene	19.3	0.153	0.0153	0.000989
E-Caryophyllene	13.4	0.106	0.0106	0.000989
alpha-Pinene	8.07	0.0639	0.00639	0.000989
delta-3-Carene	6.31	0.0500	0.00500	0.000989
E-Nerolidol	5.39	0.0426	0.00426	0.000989
beta-Pinene	3.68	0.0291	0.00291	0.000989
Carophyllene Oxide	3.39	0.0269	0.00269	0.000989
alpha-Humulene	1.56	0.0124	0.00124	0.000989
alpha-Bisabolol	1.24	0.00980	0.000980	0.000989
Z-beta-Ocimene	0.832	0.00658	0.000658	0.000989
Camphene	ND	ND	ND	0.000989
E-beta-Ocimene	ND	ND	ND	0.000989
Isopulegol	ND	ND	ND	0.000989
Geraniol	ND	ND	ND	0.000989
Z-Nerolidol	ND	ND	ND	0.000989
Guaiol	ND	ND	ND	0.000989
Eucalyptol	ND	ND	ND	0.000989
alpha-Terpinene	ND	ND	ND	0.000989
gamma-Terpinene	ND	ND	ND	0.000989
Terpinolene	ND	ND	ND	0.000989
Total Terpenes	133	1.05	0.105	

Heavy Metals

✓ PASS

Date Started: 09/21/2023
Instrument: ICP-MS

Date Completed: 09/22/2023
Method: TP-09.007.01

Analyst: Meagan Mattos
Deviation: N/A

Heavy Metals	LOQ (ppb)	Limit (ppb)	Status
Arsenic	53.0	200	Pass
Cadmium	53.0	200	Pass
Lead	53.0	500	Pass
Mercury	26.5	100	Pass

Microbial Impurities

✓ PASS

Date Started: 09/20/2023
Instrument: TEMPO & Gene-Up

Date Completed: 09/24/2023
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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Wareham, MA 02571
License #: IL281355
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Certificate of Analysis

Residual Solvents

✓ PASS

Date Started: 09/21/2023
Instrument: HS-GC-MS

Date Completed: 09/23/2023
Method: TP-09.005.03

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Residual Solvent	LOQ (ppm)	Limit (ppm)	Status
n-Propane	1.61	12.0	Pass
Iso-butane	1.61	12.0	Pass
n-Butane	1.61	12.0	Pass
Methanol	97.0	3000	Pass
Ethylene Oxide	0.646		Pass
n-Pentane	97.0	5000	Pass
Ethanol	97.0	5000	Pass
Ethyl Ether	97.0	5000	Pass
Acetone	97.0	5000	Pass
Isopropyl Alcohol	97.0	5000	Pass
Acetonitrile	97.0	410	Pass
Methylene Chloride	0.646	600	Pass
n-Hexane	97.0	290	Pass
Ethyl Acetate	97.0	5000	Pass
Chloroform	0.646	60.0	Pass
1,2-Dichloroethane	0.646	1870	Pass
Benzene	0.646		Pass
n-Heptane	97.0	5000	Pass
Trichloroethylene	0.646	80.0	Pass
Toluene	97.0	890	Pass
Total Xylenes	48.5	2170	Pass

Mycotoxins

✓ PASS

Date Started: 09/21/2023
Instrument: LC-MS/MS

Date Completed: 09/22/2023
Method: TP-09.009.03

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Mycotoxins	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	4.69		
Aflatoxin B2	3.52		
Aflatoxin G1	3.52		
Aflatoxin G2	4.69		
Ochratoxin A	3.52		
Total Mycotoxins	3.52	20.0	Pass

Eric Steele, Lab Director
09/24/2023

END OF REPORT

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