



SMITHERS

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

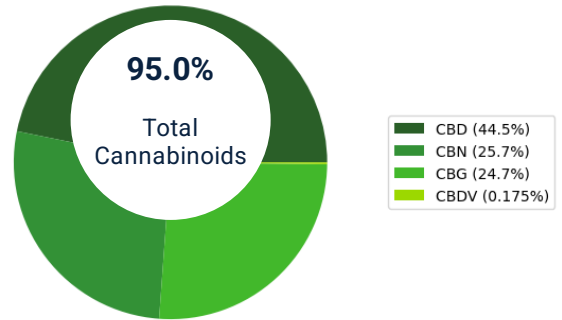


Sample ID: 28537
Sample Name: Trifecta Chill Vape
Sample Type: Vape
Received Date: 05/29/2025
Report Date: 06/02/2025
METRC ID: N/A
Client Batch ID: 23132CV
Client Sample Size: 1 each

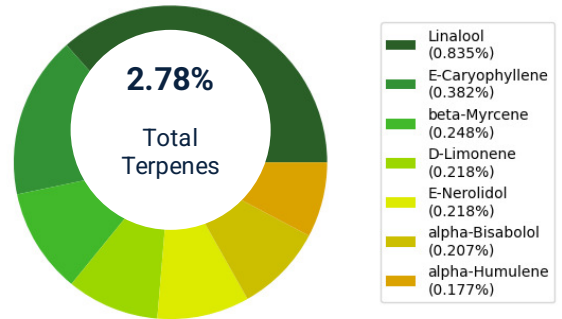
Results Summary

Cannabinoids	TESTED
06/02/2025	
Terpenes	TESTED
06/02/2025	
Heavy Metals	✓ PASS
06/02/2025	
Microbial Impurities	✓ PASS
06/02/2025	
Residual Solvents	✓ PASS
06/02/2025	
Mycotoxins	✓ PASS
06/02/2025	

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Cannabinoids

Date Started: 05/30/2025

Instrument: UPLC-PDA

Date Completed: 06/02/2025

Method: TP-09.001.05 & TP-09.012.05

Analyst: Yueming Wang Kovaleff

Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
CBD	44.5	445	0.126	1.62
CBN	25.7	257	0.111	0.812
CBG	24.7	247	0.0706	0.812
CBDV	0.175	1.75	0.0311	0.0650
CBDVA	ND	ND	0.0109	0.0650
CBDA	ND	ND	0.0102	0.162
CBGA	ND	ND	0.00637	0.0812
Δ9-THCV	ND	ND	0.00876	0.0650
Δ8-THCV	ND	ND	0.0159	0.0650
THCVA	ND	ND	0.00690	0.0650
CBNA	ND	ND	0.00858	0.0650
Exo-THC	ND	ND	0.0130	0.0650
Δ9-THC	ND	ND	0.0300	0.162
Δ8-THC	ND	ND	0.0285	0.0812
CBL	ND	ND	0.0192	0.0650
THCA	ND	ND	0.0260	0.162
CBC	ND	ND	0.00769	0.0650
CBCA	ND	ND	0.0209	0.0650
Total THC	ND	ND		
Total CBD	44.5	445		
Total Cannabinoids	95.0	950		

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.

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Terpenes

Date Started: 05/30/2025
Instrument: GC-MS

Date Completed: 06/02/2025
Method: TP-09.004.03

Analyst: Garrett Lane
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
Linalool	0.835	8.35	0.00490	0.0161
E-Caryophyllene	0.382	3.82	0.00707	0.0161
beta-Myrcene	0.248	2.48	0.00270	0.0161
D-Limonene	0.218	2.18	0.00340	0.0161
E-Nerolidol	0.218	2.18	0.00367	0.0161
alpha-Bisabolol	0.207	2.07	0.00596	0.0161
alpha-Humulene	0.177	1.77	0.00347	0.0161
Carophyllene Oxide	0.145	1.45	0.00364	0.0161
Guaiol	0.130	1.30	0.00350	0.0161
alpha-Pinene	0.0860	0.860	0.00135	0.0161
E-beta-Ocimene	0.0643	0.643	0.00665	0.0161
beta-Pinene	0.0484	0.484	0.00333	0.0161
alpha-Terpinene	<LOQ	<LOQ	0.00493	0.0161
Camphene	<LOQ	<LOQ	0.00178	0.0161
Eucalyptol	ND	ND	0.00488	0.0161
Isopulegol	ND	ND	0.00780	0.0161
Geraniol	ND	ND	0.00501	0.0161
Z-Nerolidol	ND	ND	0.00436	0.0161
delta-3-Carene	ND	ND	0.00525	0.0161
Z-beta-Ocimene	ND	ND	0.00651	0.0161
gamma-Terpinene	ND	ND	0.00364	0.0161
Terpinolene	ND	ND	0.00201	0.0161
Total Terpenes	2.78	27.8		

Heavy Metals

✓ PASS

Date Started: 05/31/2025
Instrument: ICP-MS

Date Completed: 06/02/2025
Method: TP-09.007.01

Analyst: Meagan Mattos
Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	ND	11.8	80.0	200	Pass
Cadmium	ND	7.11	80.0	200	Pass
Lead	ND	6.53	80.0	500	Pass
Mercury	ND	5.70	40.0	100	Pass

Microbial Impurities

✓ PASS

Date Started: 05/29/2025
Instrument: TEMPO & Gene-Up

Date Completed: 06/02/2025
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: 05/30/2025
Instrument: HS-GC-MS

Date Completed: 06/02/2025
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	0.413	1.62	12.0	Pass
Iso-butane	ND	0.272	1.62	12.0	Pass
n-Butane	<LOQ	0.178	1.62	12.0	Pass
Methanol	ND	38.6	97.6	3000	Pass
Ethylene Oxide	ND	0.650	1.30		Pass
n-Pentane	ND	26.2	97.6	5000	Pass
Ethanol	ND	18.1	97.6	5000	Pass
Ethyl Ether	ND	24.7	97.6	5000	Pass
Acetone	ND	17.7	97.6	5000	Pass
Isopropyl Alcohol	ND	22.1	97.6	5000	Pass
Acetonitrile	ND	13.7	97.6	410	Pass
Methylene Chloride	ND	0.650	1.30	600	Pass
n-Hexane	ND	26.5	97.6	290	Pass
Ethyl Acetate	ND	15.3	97.6	5000	Pass
Chloroform	ND	0.650	1.30	60.0	Pass
1,2-Dichloroethane	ND	0.650	1.30	1870	Pass
Benzene	ND	0.650	1.30		Pass
n-Heptane	<LOQ	28.4	97.6	5000	Pass
Trichloroethylene	ND	0.650	1.30	80.0	Pass
Toluene	ND	11.2	97.6	890	Pass
Total Xylenes	ND	19.3	48.8	2170	Pass

Mycotoxins

PASS

Date Started: 05/30/2025
Instrument: LC-MS/MS

Date Completed: 06/02/2025
Method: TP-09.009.05

Analyst: Lana Rivera
Deviation: N/A

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	0.818	2.70		
Aflatoxin B2	ND	0.818	2.70		
Aflatoxin G1	ND	0.818	2.70		
Aflatoxin G2	ND	0.818	2.70		
Ochratoxin A	ND	0.818	2.70		
Total Mycotoxins	ND	0.818	2.70	20.0	Pass

Yuemin Wang Kovaleff, Lab
Manager
06/02/2025

END OF REPORT

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