



**Customer:** Bay State Extracts

**Address:**

3065 Cranberry Highway  
 East Wareham MA 02538

**Phone:** 800-847-4427

**License #:** MDAR 25200133P



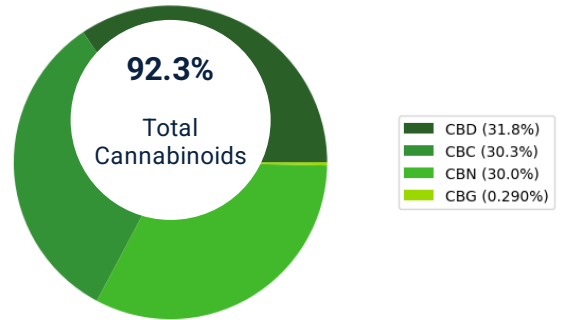
**Sample ID:** 28535  
**Sample Name:** Trifecta Blackout Vape  
**Sample Type:** Vape  
**Received Date:** 05/29/2025  
**Report Date:** 06/02/2025  
**METRC ID:** N/A  
**Client Batch ID:** 23132B0  
**Client Sample Size:** 1 each



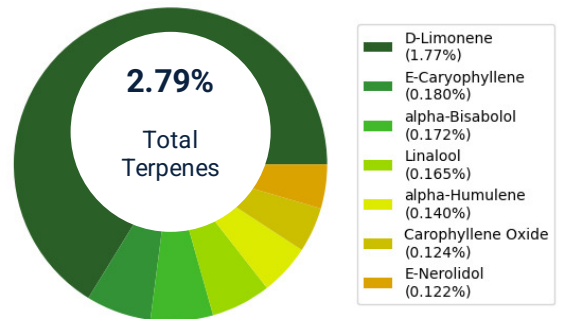
## Results Summary

<b>Cannabinoids</b> 06/02/2025	TESTED
<b>Terpenes</b> 06/02/2025	TESTED
<b>Heavy Metals</b> 06/02/2025	✓ PASS
<b>Microbial Impurities</b> 06/02/2025	✓ PASS
<b>Residual Solvents</b> 06/02/2025	✓ PASS
<b>Mycotoxins</b> 06/02/2025	✓ 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: 05/30/2025

Instrument: UPLC-PDA

Date Completed: 06/02/2025

Method: TP-09.001.05 & TP-09.012.05

Analyst: Yuemin Wang Kovaleff

Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
CBD	31.8	318	0.114	1.48
CBC	30.3	303	0.0700	0.591
CBN	30.0	300	0.101	0.739
CBG	0.290	2.90	0.00642	0.0739
CBDVA	ND	ND	0.00994	0.0591
CBDV	ND	ND	0.0282	0.0591
CBDA	ND	ND	0.00931	0.148
CBGA	ND	ND	0.00579	0.0739
Δ9-THCV	ND	ND	0.00797	0.0591
Δ8-THCV	ND	ND	0.0144	0.0591
THCVA	ND	ND	0.00628	0.0591
CBNA	ND	ND	0.00780	0.0591
Exo-THC	ND	ND	0.0118	0.0591
Δ9-THC	ND	ND	0.0273	0.148
Δ8-THC	ND	ND	0.0259	0.0739
CBL	ND	ND	0.0175	0.0591
THCA	ND	ND	0.0236	0.148
CBCA	ND	ND	0.0190	0.0591
<b>Total THC</b>	<b>ND</b>	<b>ND</b>		
<b>Total CBD</b>	<b>31.8</b>	<b>318</b>		
<b>Total Cannabinoids</b>	<b>92.3</b>	<b>923</b>		

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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# Certificate of Analysis

## 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 (%)
D-Limonene	1.77	17.7	0.00287	0.0136
E-Caryophyllene	0.180	1.80	0.00597	0.0136
alpha-Bisabolol	0.172	1.72	0.00504	0.0136
Linalool	0.165	1.65	0.00415	0.0136
alpha-Humulene	0.140	1.40	0.00294	0.0136
Carophyllene Oxide	0.124	1.24	0.00308	0.0136
E-Nerolidol	0.122	1.22	0.00310	0.0136
beta-Myrcene	0.0994	0.994	0.00229	0.0136
alpha-Pinene	<LOQ	<LOQ	0.00114	0.0136
beta-Pinene	<LOQ	<LOQ	0.00282	0.0136
Camphene	ND	ND	0.00150	0.0136
E-beta-Ocimene	ND	ND	0.00563	0.0136
Isopulegol	ND	ND	0.00659	0.0136
Geraniol	ND	ND	0.00423	0.0136
Z-Nerolidol	ND	ND	0.00369	0.0136
Guaiol	ND	ND	0.00296	0.0136
Eucalyptol	ND	ND	0.00412	0.0136
delta-3-Carene	ND	ND	0.00444	0.0136
alpha-Terpinene	ND	ND	0.00417	0.0136
Z-beta-Ocimene	ND	ND	0.00551	0.0136
gamma-Terpinene	ND	ND	0.00308	0.0136
Terpinolene	ND	ND	0.00170	0.0136
<b>Total Terpenes</b>	<b>2.79</b>	<b>27.9</b>		

## 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	12.1	81.8	200	Pass
Cadmium	ND	7.27	81.8	200	Pass
Lead	ND	6.68	81.8	500	Pass
Mercury	ND	5.83	40.9	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	<LOQ	0.425	1.67	12.0	Pass
Iso-butane	ND	0.279	1.67	12.0	Pass
n-Butane	ND	0.183	1.67	12.0	Pass
Methanol	ND	39.7	100	3000	Pass
Ethylene Oxide	ND	0.668	1.34		Pass
n-Pentane	ND	27.0	100	5000	Pass
Ethanol	ND	18.6	100	5000	Pass
Ethyl Ether	ND	25.3	100	5000	Pass
Acetone	ND	18.2	100	5000	Pass
Isopropyl Alcohol	ND	22.7	100	5000	Pass
Acetonitrile	ND	14.1	100	410	Pass
Methylene Chloride	ND	0.668	1.34	600	Pass
n-Hexane	ND	27.3	100	290	Pass
Ethyl Acetate	ND	15.7	100	5000	Pass
Chloroform	ND	0.668	1.34	60.0	Pass
1,2-Dichloroethane	ND	0.668	1.34	1870	Pass
Benzene	ND	0.668	1.34		Pass
n-Heptane	<LOQ	29.2	100	5000	Pass
Trichloroethylene	ND	0.668	1.34	80.0	Pass
Toluene	ND	11.6	100	890	Pass
<b>Total Xylenes</b>	<b>ND</b>	<b>19.8</b>	<b>50.2</b>	<b>2170</b>	<b>Pass</b>

## 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	0.941	3.10		
Aflatoxin B2	ND	0.941	3.10		
Aflatoxin G1	ND	0.941	3.10		
Aflatoxin G2	ND	0.941	3.10		
Ochratoxin A	ND	0.941	3.10		
<b>Total Mycotoxins</b>	<b>ND</b>	<b>0.941</b>	<b>3.10</b>	<b>20.0</b>	<b>Pass</b>

Yuemin Wang Kovaleff, Lab  
Manager  
06/02/2025

END OF REPORT

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