



SMITHERS

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



Customer: Bay State Extracts

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



Sample ID: 28538  
Sample Name: Trifecta Bliss  
Sample Type: Tincture  
Received Date: 05/29/2025  
Report Date: 06/02/2025  
METRC ID: N/A  
Client Batch ID: 25121BL  
Client Sample Size: 30 milliliters  
Unit Weight (g): 1

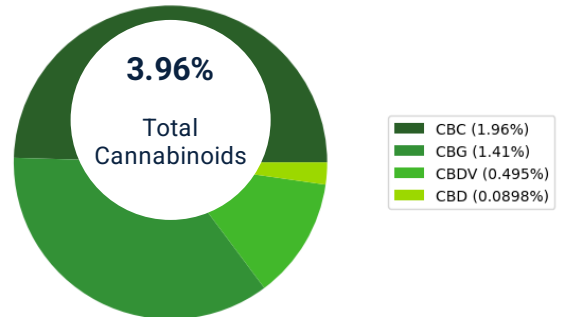


# Certificate of Analysis

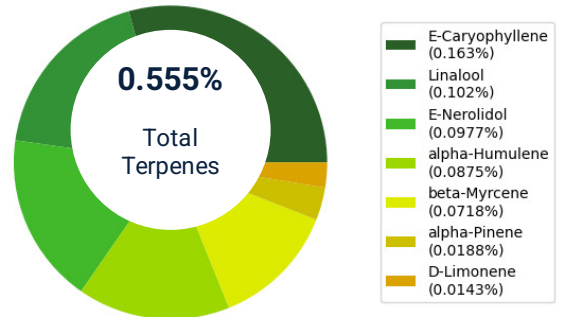
## Results Summary

<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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## 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/serving)	Result (mg/package)	LOD (mg/serving)	LOQ (mg/serving)
CBC	1.96	19.6	588	0.00191	0.0162
CBG	1.41	14.1	424	0.00176	0.0202
CBDV	0.495	4.95	149	0.00773	0.0162
CBD	0.0898	0.898	26.9	0.00313	0.0404
CBDVA	ND	ND	ND	0.00272	0.0162
CBDA	ND	ND	ND	0.00255	0.0404
CBGA	ND	ND	ND	0.00158	0.0202
Δ9-THCV	ND	ND	ND	0.00218	0.0162
Δ8-THCV	ND	ND	ND	0.00395	0.0162
THCVA	ND	ND	ND	0.00172	0.0162
CBN	ND	ND	ND	0.00277	0.0202
CBNA	ND	ND	ND	0.00213	0.0162
Exo-THC	ND	ND	ND	0.00323	0.0162
Δ9-THC	ND	ND	ND	0.00747	0.0404
Δ8-THC	ND	ND	ND	0.00708	0.0202
CBL	ND	ND	ND	0.00479	0.0162
THCA	ND	ND	ND	0.00647	0.0404
CBCA	ND	ND	ND	0.00521	0.0162
<b>Total THC</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>		
<b>Total CBD</b>	<b>0.0898</b>	<b>0.898</b>	<b>26.9</b>		
<b>Total Cannabinoids</b>	<b>3.96</b>	<b>39.6</b>	<b>1188</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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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

Table with 5 columns: Terpene, Result (%), Result (mg/g), LOD (%), LOQ (%). Lists various terpenes like E-Caryophyllene, Linalool, etc., with their respective results and limits.

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

Table with 6 columns: Heavy Metals, Result (ppb), LOD (ppb), LOQ (ppb), Limit (ppb), Status. Lists metals like Arsenic, Cadmium, Lead, Mercury with their results and limits.

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

Table with 4 columns: Microbials, Result (CFU/g), Limit (CFU/g), Status. Lists microbials like Coliforms, Bile-Tolerant Gram-Negative Bacteria, etc., with their results and limits.

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## 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	0.403	1.58	12.0	Pass
Iso-butane	ND	0.265	1.58	12.0	Pass
n-Butane	<LOQ	0.174	1.58	12.0	Pass
Methanol	ND	37.7	95.2	3000	Pass
Ethylene Oxide	ND	0.635	1.27		Pass
n-Pentane	ND	25.6	95.2	5000	Pass
Ethanol	ND	17.7	95.2	5000	Pass
Ethyl Ether	ND	24.1	95.2	5000	Pass
Acetone	ND	17.3	95.2	5000	Pass
Isopropyl Alcohol	ND	21.5	95.2	5000	Pass
Acetonitrile	ND	13.4	95.2	410	Pass
Methylene Chloride	ND	0.635	1.27	600	Pass
n-Hexane	ND	25.9	95.2	290	Pass
Ethyl Acetate	<LOQ	14.9	95.2	5000	Pass
Chloroform	ND	0.635	1.27	60.0	Pass
1,2-Dichloroethane	ND	0.635	1.27	1870	Pass
Benzene	ND	0.635	1.27		Pass
n-Heptane	<LOQ	27.7	95.2	5000	Pass
Trichloroethylene	ND	0.635	1.27	80.0	Pass
Toluene	ND	11.0	95.2	890	Pass
<b>Total Xylenes</b>	<b>ND</b>	<b>18.8</b>	<b>47.6</b>	<b>2170</b>	<b>Pass</b>

## Mycotoxins

**PASS**

Date Started: 05/29/2025  
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	0.909	3.00		
Aflatoxin B2	ND	0.909	3.00		
Aflatoxin G1	ND	0.909	3.00		
Aflatoxin G2	ND	0.909	3.00		
Ochratoxin A	ND	0.909	3.00		
<b>Total Mycotoxins</b>	<b>ND</b>	<b>0.909</b>	<b>3.00</b>	<b>20.0</b>	<b>Pass</b>

Yuemin Wang Kovaleff, Lab  
Manager  
06/02/2025

END OF REPORT

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