



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

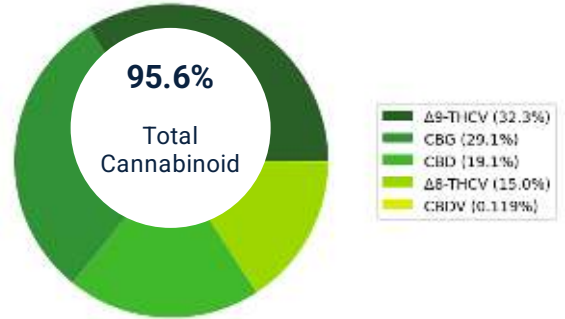


Sample ID: 2178
Sample Name: Trifecta Focus Vape
Sample Type: Vape
Received Date: 09/08/2022
Report Date: 09/21/2022
Client Batch ID: TFV2459687
Client Sample Size: 5 each

Results Summary

Cannabinoids	TESTED
09/10/2022	
Vitamin E Acetate	✓ PASS
09/13/2022	
Heavy Metals	✓ PASS
09/11/2022	
Microbial Impurities	✓ PASS
09/15/2022	
Residual Solvents	✓ PASS
09/11/2022	
Mycotoxins	✓ PASS
09/11/2022	
Pesticides	✓ PASS
09/21/2022	

Cannabinoid Distribution (%)



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Cannabinoids

Date Started: 09/08/2022
Instrument: UPLC-PDA

Date Completed: 09/10/2022
Method: TP-09.001.03 & TP-09.012.02

Analyst: Eric Steele
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOQ (%)
Δ9-THCV	32.3	323	0.0177
CBG	29.1	291	0.0222
CBD	19.1	191	0.0443
Δ8-THCV	15.0	150	0.0222
CBDV	0.119	1.19	0.0177
CBDVA	ND	ND	0.0177
CBDA	ND	ND	0.0443
CBGA	ND	ND	0.0222
THCVA	ND	ND	0.0177
CBN	ND	ND	0.0222
CBNA	ND	ND	0.0177
EXO-THC	ND	ND	0.0177
Δ9-THC	ND	ND	0.0443
Δ8-THC	ND	ND	0.0222
CBC	ND	ND	0.0177
CBL	ND	ND	0.0177
THCA-A	ND	ND	0.0443
CBCA	ND	ND	0.0177
Total THC	ND	ND	
Total CBD	19.1	191	
Total Cannabinoids	95.6	956	

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.

Vitamin E Acetate

 **PASS**

Date Started: 09/13/2022
Instrument: HPLC-UV

Date Completed: 09/13/2022
Method: TP-09.006.01

Analyst: Lana Rivera
Deviation: N/A

Analyte	LOQ (ppm)	Status
Tocopheryl Acetate	103	Pass

Heavy Metals

 **PASS**

Date Started: 09/09/2022
Instrument: ICP-MS

Date Completed: 09/11/2022
Method: TP-09.007.01

Analyst: Eric Steele
Deviation: N/A

Heavy Metals	LOQ (ppb)	Limit (ppb)	Status
Arsenic	54.2	200	Pass
Cadmium	54.2	200	Pass
Lead	54.2	500	Pass
Mercury	27.1	100	Pass

Microbial Impurities

✓ PASS

Date Started: 09/12/2022
Instrument: TEMPO & Gene-Up

Date Completed: 09/15/2022
Method: TP-09.010.01 & TP-09.011.01

Analyst: Eric Steele
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

Residual Solvents

✓ PASS

Date Started: 09/09/2022
Instrument: HS-GC-MS

Date Completed: 09/11/2022
Method: TP-09.005.03

Analyst: Eric Steele
Deviation: N/A

Residual Solvent	LOQ (ppm)	Limit (ppm)	Status
Ethanol	93.1	5000	Pass
n-Butane	1.55	12.0	Pass
n-Propane	1.55	12.0	Pass
Iso-butane	1.55	12.0	Pass
Methanol	93.1	3000	Pass
n-Pentane	93.1	5000	Pass
Ethyl Ether	93.1	5000	Pass
Acetone	93.1	5000	Pass
Isopropyl Alcohol	93.1	5000	Pass
Acetonitrile	93.1	410	Pass
n-Hexane	93.1	290	Pass
Ethyl Acetate	93.1	5000	Pass
n-Heptane	93.1	5000	Pass
Toluene	93.1	890	Pass
Total Xylenes	46.5	2170	Pass

Mycotoxins

✓ PASS

Date Started: 09/09/2022
Instrument: LC-MS/MS

Date Completed: 09/11/2022
Method: TP-09.009.01

Analyst: Eric Steele
Deviation: N/A

Mycotoxins	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	0.200		
Aflatoxin B2	0.150		
Aflatoxin G1	0.150		
Aflatoxin G2	0.200		
Ochratoxin A	0.150		
Total Mycotoxins	0.150	20.0	Pass



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Pesticides

PASS

Date Started: 09/21/2022

Instrument: LC-MS/MS & GC-MS/MS

Date Completed: 09/21/2022

Method: TP-09.008.01 & TP-09.009.01

Analyst: Yuemin Wang Kovaleff

Deviation: N/A

Pesticide	LOQ (ppb)	Limit (ppb)	Status
Bifenazate	3.48	10.0	Pass
Bifenthrin	3.48	10.0	Pass
Cyfluthrin	2.90	10.0	Pass
Etoxazole	3.48	10.0	Pass
Imazalil	3.48	10.0	Pass
Imidacloprid	3.48	10.0	Pass
Myclobutanil	3.48	10.0	Pass
Spiromesifen	3.48	10.0	Pass
Trifloxystrobin	3.48	10.0	Pass

Eric Steele, Lab Director
09/21/2022

END OF REPORT

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