



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

Certificate of Analysis



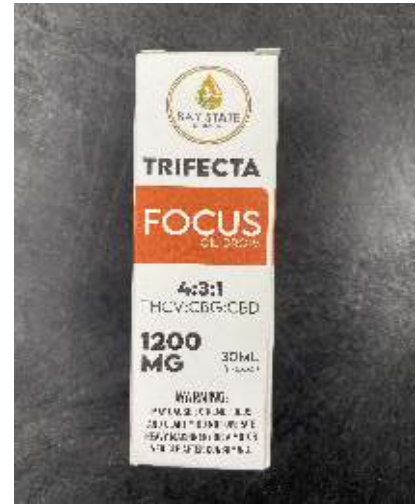
Customer: Bay State Extracts

Address:

3065 Cranberry Highway
 East Wareham MA 02538

Phone: 800-847-4427

License #: MDAR 25200133P

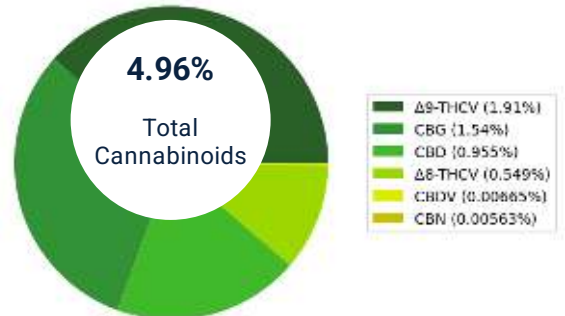


Sample ID: 2058
Sample Name: Trifecta Focus Oil Drops
Sample Type: Ingestible
Received Date: 08/29/2022
Report Date: 09/05/2022
METRC ID: N/A
Client Batch ID: N/A
Client Sample Size: 30 g
Unit Weight (g): 30

Results Summary

Cannabinoids	TESTED
08/30/2022	
Heavy Metals	✓ PASS
09/02/2022	
Microbial Impurities	✓ PASS
09/02/2022	
Residual Solvents	✓ PASS
09/03/2022	
Mycotoxins	✓ PASS
09/03/2022	
Pesticides	✓ PASS
09/03/2022	

Cannabinoid Distribution (%)



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Cannabinoids

Date Started: 08/30/2022
Instrument: UPLC-PDA

Date Completed: 08/30/2022
Method: TP-09.001.03 & TP-09.012.02

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Cannabinoid	Result (mg/serving)	LOD (mg/serving)	LOQ (mg/serving)
Δ9-THCV	573	0.0105	0.0167
CBG	462	0.00502	0.0209
CBD	287	0.00581	0.0418
Δ8-THCV	165	0.00623	0.0209
CBDV	1.99	0.000468	0.00180
CBN	1.69	0.000521	0.00225
CBDVA	ND	0.000229	0.00180
CBDA	ND	0.000660	0.00450
CBGA	ND	0.000557	0.00225
THCVA	ND	0.00113	0.00180
CBNA	ND	0.000850	0.00180
Exo-THC	ND	0.00133	0.00180
Δ9-THC	ND	0.000634	0.00450
Δ8-THC	ND	0.00158	0.00225
CBL	ND	0.000590	0.00180
THCA-A	ND	0.000590	0.00450
CBC	ND	0.000593	0.00180
CBCA	ND	0.00158	0.00180
Total THC	ND		
Total CBD	287		
Total Cannabinoids	1489		

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.

Heavy Metals

 **PASS**

Date Started: 09/01/2022
Instrument: ICP-MS

Date Completed: 09/02/2022
Method: TP-09.007.01

Analyst: Lana Rivera
Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	ND	8.30	56.1	200	Pass
Cadmium	ND	4.98	56.1	200	Pass
Lead	ND	4.58	56.1	500	Pass
Mercury	ND	3.99	28.0	100	Pass

Microbial Impurities

 **PASS**

Date Started: 09/02/2022
Instrument: TEMPO & Gene-Up

Date Completed: 09/05/2022
Method: TP-09.010.01 & TP-09.011.01

Analyst: Elliot Henderson
Deviation: N/A

Microbials	Result (CFU/g)	Limit (CFU/g)	Status
Coliforms	ND	100	Pass
Bile-Tolerant Gram-Negative Bacteria	ND	100	Pass
Yeast & Mold	ND	10000	Pass
Aerobic Bacteria	ND	10000	Pass
E.coli	ND		Pass
Salmonella	ND		Pass

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Residual Solvents

 **PASS**

Date Started: 09/01/2022
Instrument: HS-GC-MS

Date Completed: 09/03/2022
Method: TP-09.005.03

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
n-Propane	ND	0.346	1.36	12.0	Pass
Iso-butane	ND	0.228	1.36	12.0	Pass
n-Butane	ND	0.149	1.36	12.0	Pass
Methanol	ND	32.4	81.8	3000	Pass
Ethylene Oxide	ND	0.136	0.545		Pass
n-Pentane	ND	22.0	81.8	5000	Pass
Ethanol	ND	15.2	81.8	5000	Pass
Ethyl Ether	ND	20.7	81.8	5000	Pass
Acetone	ND	14.8	81.8	5000	Pass
Isopropyl Alcohol	ND	18.5	81.8	5000	Pass
Acetonitrile	<LOQ	11.5	81.8	410	Pass
Methylene Chloride	1.08	0.141	0.545	600	Pass
n-Hexane	ND	22.3	81.8	290	Pass
Ethyl Acetate	ND	12.8	81.8	5000	Pass
Chloroform	ND	0.0469	0.545	60.0	Pass
1,2-Dichloroethane	ND	0.127	0.545	1870	Pass
Benzene	ND	0.0881	0.545		Pass
n-Heptane	ND	23.8	81.8	5000	Pass
Trichloroethylene	ND	0.0648	0.545	80.0	Pass
Toluene	ND	9.42	81.8	890	Pass
Total Xylenes	ND	16.1	40.9	2170	Pass

Mycotoxins

 **PASS**

Date Started: 09/01/2022
Instrument: LC-MS/MS

Date Completed: 09/03/2022
Method: TP-09.009.01

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	1.69	4.15		
Aflatoxin B2	ND	0.334	3.11		
Aflatoxin G1	ND	0.347	3.11		
Aflatoxin G2	ND	0.880	4.15		
Ochratoxin A	ND	0.961	3.11		
Total Mycotoxins	ND	0.334	3.11	20.0	Pass



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Pesticides

✓ PASS

Date Started: 09/01/2022

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

Date Completed: 09/03/2022

Method: TP-09.008.01 & TP-09.009.01

Analyst: Yuemin Wang Kovaleff

Deviation: N/A

Pesticide	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Bifenazate	ND	0.515	3.11	10.0	Pass
Bifenthrin	ND	1.09	3.11	10.0	Pass
Cyfluthrin	ND	0.413	2.59	10.0	Pass
Etoxazole	ND	0.755	3.11	10.0	Pass
Imazalil	ND	0.776	3.11	10.0	Pass
Imidacloprid	ND	0.363	3.11	10.0	Pass
Myclobutanil	ND	0.853	3.11	10.0	Pass
Spiromesifen	ND	0.909	3.11	10.0	Pass
Trifloxystrobin	ND	0.479	3.11	10.0	Pass

Eric Steele, Lab Director
09/05/2022

END OF REPORT

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