



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



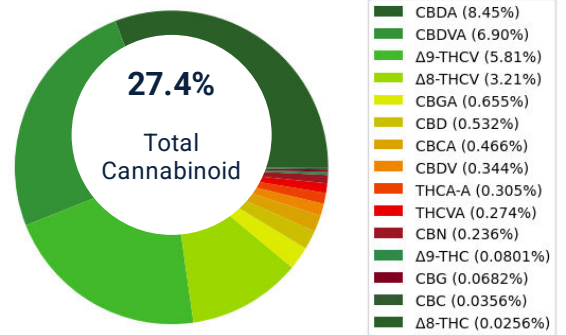
Sample ID: 880
Sample Name: Infused Preroll
Sample Type: Flower
Received Date: 04/28/2022
Report Date: 05/06/2022
Client Batch ID: PWIN2459686
Client Sample Size: 12 each



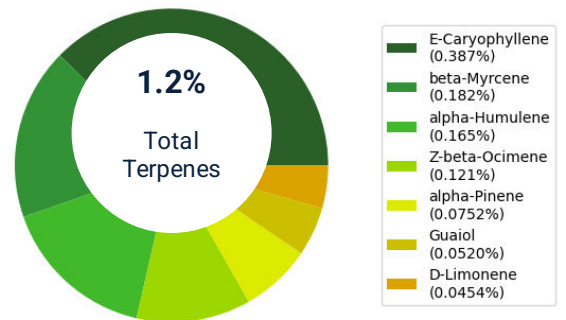
Results Summary

Cannabinoids	TESTED
05/02/2022	
Heavy Metals	✓ PASS
05/05/2022	
Microbial Impurities	✓ PASS
05/06/2022	
Mycotoxins	✓ PASS
05/04/2022	
Pesticides	✓ PASS
05/04/2022	
Terpenes Extended	TESTED
05/03/2022	

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Cannabinoids

Date Started: 04/28/2022
Instrument: UPLC-PDA

Date Completed: 05/02/2022
Method: TP-09.001.01 & TP-09.012.02

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOQ (%)
CBDA	8.45	84.5	0.0231
CBDVA	6.90	69.0	0.00925
Δ9-THCV	5.81	58.1	0.00925
Δ8-THCV	3.21	32.1	0.0116
CBGA	0.655	6.55	0.0116
CBD	0.532	5.32	0.0231
CBCA	0.466	4.66	0.00925
CBDV	0.344	3.44	0.00925
THCA-A	0.305	3.05	0.0231
THCVA	0.274	2.74	0.00925
CBN	0.236	2.36	0.0116
Δ9-THC	0.0801	0.801	0.0231
CBG	0.0682	0.682	0.0116
CBC	0.0356	0.356	0.00925
Δ8-THC	0.0256	0.256	0.0116
CBNA	ND	ND	0.00925
EXO-THC	ND	ND	0.00925
CBL	ND	ND	0.00925
Total THC	0.373	3.73	
Total CBD	7.94	79.4	
Total Cannabinoids	27.4	274	

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: 05/04/2022
Instrument: ICP-MS

Date Completed: 05/05/2022
Method: TP-09.007.01

Analyst: Lana Rivera
Deviation: N/A

Heavy Metals	LOQ (ppb)	Limit (ppb)	Status
Arsenic	59.2	200	Pass
Cadmium	59.2	200	Pass
Lead	59.2	500	Pass
Mercury	29.6	100	Pass

Microbial Impurities

✓ PASS

Date Started: 05/03/2022
Instrument: TEMPO & Gene-Up

Date Completed: 05/06/2022
Method: TP-09.010.01 & TP-09.011.01

Analyst: Eric Steele
Deviation: N/A

Microbials	Result (CFU/g)	Limit (CFU/g)	Status
Coliforms	100	1000	Pass
Bile-Tolerant Gram-Negative Bacteria	590	1000	Pass
Yeast & Mold	3900	10000	Pass
Aerobic Bacteria	6400	100000	Pass
E.coli	ND		Pass
Salmonella	ND		Pass

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Mycotoxins

✓ PASS

Date Started: 05/04/2022
Instrument: LC-MS/MS

Date Completed: 05/04/2022
Method: TP-09.009.01

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Mycotoxins	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	4.94		
Aflatoxin B2	3.70		
Aflatoxin G1	3.70		
Aflatoxin G2	4.94		
Ochratoxin A	3.70		
Total Mycotoxins	3.70	20	Pass

Pesticides

✓ PASS

Date Started: 05/04/2022
Instrument: LC-MS/MS & GC-MS/MS

Date Completed: 05/04/2022
Method: TP-09.008.01 & TP-09.009.01

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Pesticide	LOQ (ppb)	Limit (ppb)	Status
Bifenazate	3.70	10	Pass
Bifenthrin	3.70	10	Pass
Cyfluthrin	3.08	10	Pass
Etoxazole	3.70	10	Pass
Imazalil	3.70	10	Pass
Imidacloprid	3.70	10	Pass
Myclobutanil	3.70	10	Pass
Spiromesifen	3.70	10	Pass
Trifloxystrobin	3.70	10	Pass

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Terpenes Extended

Date Started: 05/02/2022

Instrument: GC-MS

Date Completed: 05/03/2022

Method: TP-09.004.02

Analyst: Yuemin Wang Kovaleff

Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOQ (%)
E-Caryophyllene	0.387	3.87	0.0167
beta-Myrcene	0.182	1.82	0.0167
alpha-Humulene	0.165	1.65	0.0167
Z-beta-Ocimene	0.121	1.21	0.0167
alpha-Pinene	0.0752	0.752	0.0167
Guaiol	0.0520	0.520	0.0167
D-Limonene	0.0454	0.454	0.0167
Carophyllene Oxide	0.0434	0.434	0.0167
Linalool	0.0336	0.336	0.0167
E-Nerolidol	0.0249	0.249	0.0167
alpha-Terpineol	0.0191	0.191	0.0167
Endo-Fenchyl Alcohol	0.0186	0.186	0.0167
beta-Pinene	0.0180	0.180	0.0167
[+/-]-Borneol	0.00975	0.0975	0.0335
[+/-]-Fenchone	0.00316	0.0316	0.0335
Camphene	0.00211	0.0211	0.0167
Terpinolene	0.000862	0.00862	0.0167
E-beta-Ocimene	ND	ND	0.0167
gamma-Terpineol	ND	ND	0.0167
Isopulegol	ND	ND	0.0167
Nerol	ND	ND	0.0167
Geraniol	ND	ND	0.0167
Pulegone	ND	ND	0.0167
Valencene	ND	ND	0.0167
Z-Nerolidol	ND	ND	0.0167
alpha-Bisabolol	ND	ND	0.0167
Eucalyptol	ND	ND	0.0167
Sabinene	ND	ND	0.0167
alpha-Phellandrene	ND	ND	0.0167
Sabinene Hydrate	ND	ND	0.0167
Isoborneol	ND	ND	0.0167
Menthol	ND	ND	0.0167
alpha-Cedrene	ND	ND	0.0167
Geranyl Acetate	ND	ND	0.0167
Cedrol	ND	ND	0.0167
[+,N,-]-Camphor	ND	ND	0.0503
delta-3-Carene	ND	ND	0.0167
alpha-Terpinene	ND	ND	0.0167
gamma-Terpinene	ND	ND	0.0167
Total Terpenes	1.20	12.0	

Eric Steele, Lab Director
05/06/2022

END OF REPORT

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