



Customer: Bay State Extracts

Address:

3065 Cranberry Highway
 East Wareham MA 02538

Phone: 800-847-4427



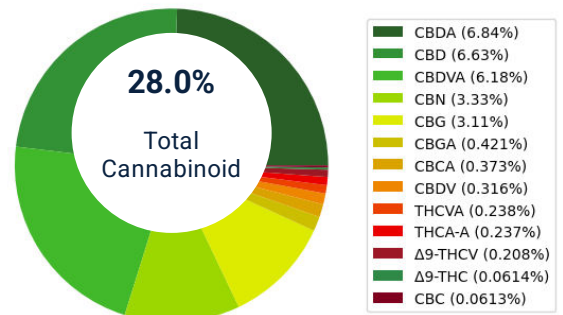
Sample ID: 997
Sample Name: Infused Pre-roll
Sample Type: Flower
Received Date: 05/19/2022
Report Date: 05/26/2022
Client Batch ID: ZPWIN22135
Client Sample Size:



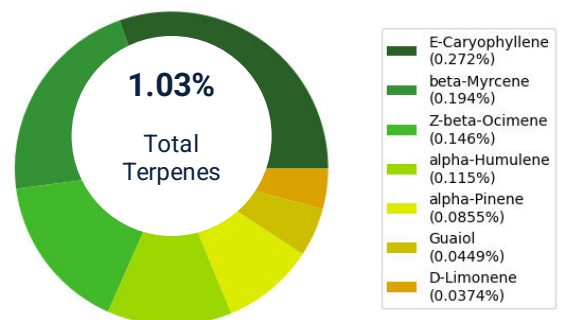
Results Summary

Cannabinoids	TESTED
05/20/2022	
Terpenes Extended	TESTED
05/26/2022	
Heavy Metals	✓ PASS
05/26/2022	
Mycotoxins	✓ PASS
05/23/2022	
Pesticides	✓ PASS
05/23/2022	
Microbial Impurities	✓ PASS
05/23/2022	

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: 05/20/2022

Instrument: UPLC-PDA

Date Completed: 05/20/2022

Method: TP-09.001.01 & TP-09.012.02

Analyst: Yuemin Wang Kovaleff

Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOQ (%)
CBDA	6.84	68.4	0.0193
CBD	6.63	66.3	0.0193
CBDVA	6.18	61.8	0.00773
CBN	3.33	33.3	0.00966
CBG	3.11	31.1	0.00966
CBGA	0.421	4.21	0.00966
CBCA	0.373	3.73	0.00773
CBDV	0.316	3.16	0.00773
THCVA	0.238	2.38	0.00773
THCA-A	0.237	2.37	0.0193
Δ9-THCV	0.208	2.08	0.00773
Δ9-THC	0.0614	0.614	0.0193
CBC	0.0613	0.613	0.00773
CBNA	ND	ND	0.00773
EXO-THC	ND	ND	0.00773
Δ8-THC	ND	ND	0.00966
CBL	ND	ND	0.00773
Δ8-THCV	ND	ND	0.00962
Total THC	0.269	2.69	
Total CBD	12.6	126	
Total Cannabinoids	28.0	280	

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.

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Wareham, MA 02571
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Certificate of Analysis

Terpenes Extended

Date Started: 05/25/2022
Instrument: GC-MS

Date Completed: 05/26/2022
Method: TP-09.004.02

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOQ (%)
E-Caryophyllene	0.272	2.72	0.0146
beta-Myrcene	0.194	1.94	0.0146
Z-beta-Ocimene	0.146	1.46	0.0146
alpha-Humulene	0.115	1.15	0.0146
alpha-Pinene	0.0855	0.855	0.0146
Guaiol	0.0449	0.449	0.0146
D-Limonene	0.0374	0.374	0.0146
Carophyllene Oxide	0.0304	0.304	0.0146
Linalool	0.0260	0.260	0.0146
beta-Pinene	0.0201	0.201	0.0146
E-Nerolidol	0.0184	0.184	0.0146
alpha-Terpineol	0.0160	0.160	0.0146
Endo-Fenchyl Alcohol	0.0158	0.158	0.0146
[+/-]-Borneol	0.00977	0.0977	0.0291
[+/-]-Fenchone	0.00246	0.0246	0.0291
Camphene	0.00211	0.0211	0.0146
Sabinene Hydrate	0.00122	0.0122	0.0146
E-beta-Ocimene	ND	ND	0.0146
gamma-Terpineol	ND	ND	0.0146
Isopulegol	ND	ND	0.0146
Nerol	ND	ND	0.0146
Geraniol	ND	ND	0.0146
Pulegone	ND	ND	0.0146
Valencene	ND	ND	0.0146
Z-Nerolidol	ND	ND	0.0146
alpha-Bisabolol	ND	ND	0.0146
Eucalyptol	ND	ND	0.0146
Sabinene	ND	ND	0.0146
alpha-Phellandrene	ND	ND	0.0146
Isoborneol	ND	ND	0.0146
Menthol	ND	ND	0.0146
alpha-Cedrene	ND	ND	0.0146
Geranyl Acetate	ND	ND	0.0146
Cedrol	ND	ND	0.0146
[+,N,-]-Camphor	ND	ND	0.0437
delta-3-Carene	ND	ND	0.0146
alpha-Terpinene	ND	ND	0.0146
gamma-Terpinene	ND	ND	0.0146
Terpinolene	ND	ND	0.0146
Total Terpenes	1.03	10.3	

Heavy Metals

PASS

Date Started: 05/25/2022
Instrument: ICP-MS

Date Completed: 05/26/2022
Method: TP-09.007.01

Analyst: Lana Rivera
Deviation: N/A

Heavy Metals	LOQ (ppb)	Limit (ppb)	Status
Arsenic	61.3	200	Pass
Cadmium	61.3	200	Pass
Lead	61.3	500	Pass
Mercury	30.7	100	Pass

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Wareham, MA 02571
License #: IL281355
Phone: 508-295-2550

Certificate of Analysis

Mycotoxins

✓ PASS

Date Started: 05/20/2022 **Date Completed:** 05/23/2022 **Analyst:** Yuemin Wang Kovaleff
Instrument: LC-MS/MS **Method:** TP-09.009.01 **Deviation:** N/A

Mycotoxins	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	4.58		
Aflatoxin B2	3.43		
Aflatoxin G1	3.43		
Aflatoxin G2	4.58		
Ochratoxin A	3.43		
Total Mycotoxins	3.43	20	Pass

Pesticides

✓ PASS

Date Started: 05/20/2022 **Date Completed:** 05/23/2022 **Analyst:** Yuemin Wang Kovaleff
Instrument: LC-MS/MS & GC-MS/MS **Method:** TP-09.008.01 & TP-09.009.01 **Deviation:** N/A

Pesticide	LOQ (ppb)	Limit (ppb)	Status
Bifenazate	3.43	10	Pass
Bifenthrin	3.43	10	Pass
Cyfluthrin	2.86	10	Pass
Etoxazole	3.43	10	Pass
Imazalil	3.43	10	Pass
Imidacloprid	3.43	10	Pass
Myclobutanil	3.43	10	Pass
Spiromesifen	3.43	10	Pass
Trifloxystrobin	3.43	10	Pass

Microbial Impurities

✓ PASS

Date Started: 05/20/2022 **Date Completed:** 05/23/2022 **Analyst:** Yuemin Wang Kovaleff
Instrument: TEMPO & Gene-Up **Method:** TP-09.010.01 & TP-09.011.01 **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	100	100000	Pass
E.coli	ND		Pass
Salmonella	ND		Pass

Eric Steele, Lab Director
05/26/2022

END OF REPORT

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