



**Customer:** Bay State Extracts

**Address:**

3065 Cranberry Highway  
 East Wareham MA 02538

**Phone:** 800-847-4427

**License #:** MDAR 25200133P

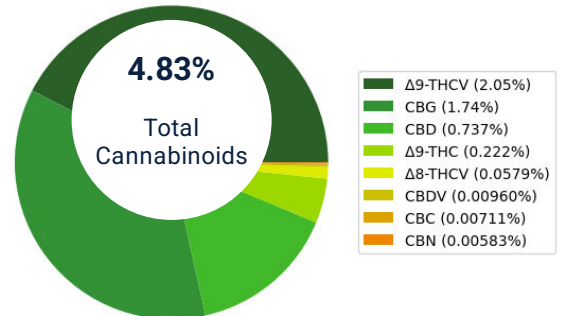


**Sample ID:** 7286  
**Sample Name:** Trifecta Focus Plus  
**Sample Type:** Tincture  
**Received Date:** 09/20/2023  
**Report Date:** 09/24/2023  
**METRC ID:** N/A  
**Client Batch ID:** TFP23262  
**Client Sample Size:** 28.5 g  
**Unit Weight (g):** 0.95

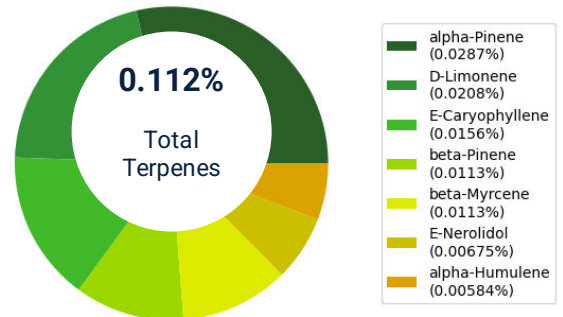
## Results Summary

|   |        |
|---|--------|
| <b>Cannabinoids</b><br>09/21/2023         | TESTED |
| <b>Terpenes</b><br>09/23/2023             | TESTED |
| <b>Heavy Metals</b><br>09/22/2023         | ✓ PASS |
| <b>Microbial Impurities</b><br>09/24/2023 | ✓ PASS |
| <b>Residual Solvents</b><br>09/23/2023    | ✓ PASS |
| <b>Mycotoxins</b><br>09/22/2023           | ✓ PASS |

## Cannabinoid Distribution (%)



## Terpene Distribution (%)





SMITHERS

Smithers AMS LLC

790 Main St

Wareham, MA 02571

License #: IL281355

Phone: 508-295-2550

# Certificate of Analysis

## Cannabinoids

**Date Started:** 09/20/2023

**Instrument:** UPLC-PDA

**Date Completed:** 09/21/2023

**Method:** TP-09.001.04 & TP-09.012.04

**Analyst:** Yuemin Wang Kovaleff

**Deviation:** N/A

| Cannabinoid               | Result (%)   | Result (mg/serving) | Result (mg/package) | LOQ (mg/serving) |
|---------------------------|--------------|---------------------|---------------------|------------------|
| Δ9-THCV                   | 2.05         | 19.5                | 584                 | 0.0184           |
| CBG                       | 1.74         | 16.6                | 497                 | 0.0230           |
| CBD                       | 0.737        | 7.00                | 210                 | 0.0459           |
| Δ9-THC                    | 0.222        | 2.11                | 63.4                | 0.00410          |
| Δ8-THCV                   | 0.0579       | 0.550               | 16.5                | 0.00164          |
| CBDV                      | 0.00960      | 0.0912              | 2.74                | 0.00164          |
| CBC                       | 0.00711      | 0.0675              | 2.03                | 0.00164          |
| CBN                       | 0.00583      | 0.0554              | 1.66                | 0.00205          |
| CBDVA                     | ND           | ND                  | ND                  | 0.00164          |
| CBDA                      | ND           | ND                  | ND                  | 0.00410          |
| CBGA                      | ND           | ND                  | ND                  | 0.00205          |
| THCVA                     | ND           | ND                  | ND                  | 0.00164          |
| CBNA                      | ND           | ND                  | ND                  | 0.00164          |
| Exo-THC                   | ND           | ND                  | ND                  | 0.00164          |
| Δ8-THC                    | ND           | ND                  | ND                  | 0.00205          |
| CBL                       | ND           | ND                  | ND                  | 0.00164          |
| THCA-A                    | ND           | ND                  | ND                  | 0.00410          |
| CBCA                      | ND           | ND                  | ND                  | 0.00164          |
| <b>Total THC</b>          | <b>0.222</b> | <b>2.11</b>         | <b>63.4</b>         |                  |
| <b>Total CBD</b>          | <b>0.737</b> | <b>7.00</b>         | <b>210</b>          |                  |
| <b>Total Cannabinoids</b> | <b>4.83</b>  | <b>45.9</b>         | <b>1377</b>         |                  |

**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.

Disclaimer: The results presented within this report pertain only to the sample(s) indicated, as received by Smithers AMS LLC. Smithers AMS LLC is responsible for the information provided in this report, unless indicated that the customer provided the information. This report shall not be reproduced, except in full, without the written approval of Smithers AMS LLC. Action limits used to dictate pass/fail criteria are set by the Massachusetts Cannabis Control Commission.





SMITHERS

Smithers AMS LLC

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

# Certificate of Analysis

## Terpenes

Date Started: 09/20/2023  
Instrument: GC-MS

Date Completed: 09/23/2023  
Method: TP-09.004.03

Analyst: Yuemin Wang Kovaleff  
Deviation: N/A

| Terpene               | Result (ppm) | Result (mg/g) | Result (%)   | LOQ (ppm) |
|-----------------------|--------------|---------------|--------------|-----------|
| alpha-Pinene          | 35.0         | 0.287         | 0.0287       | 0.00103   |
| D-Limonene            | 25.4         | 0.208         | 0.0208       | 0.00103   |
| E-Caryophyllene       | 19.0         | 0.156         | 0.0156       | 0.00103   |
| beta-Pinene           | 13.8         | 0.113         | 0.0113       | 0.00103   |
| beta-Myrcene          | 13.7         | 0.113         | 0.0113       | 0.00103   |
| E-Nerolidol           | 8.22         | 0.0675        | 0.00675      | 0.00103   |
| alpha-Humulene        | 7.11         | 0.0584        | 0.00584      | 0.00103   |
| alpha-Bisabolol       | 5.46         | 0.0448        | 0.00448      | 0.00103   |
| delta-3-Carene        | 3.78         | 0.0310        | 0.00310      | 0.00103   |
| Carophyllene Oxide    | 3.14         | 0.0258        | 0.00258      | 0.00103   |
| Terpinolene           | 2.16         | 0.0177        | 0.00177      | 0.00103   |
| Camphene              | ND           | ND            | ND           | 0.00103   |
| E-beta-Ocimene        | ND           | ND            | ND           | 0.00103   |
| Linalool              | ND           | ND            | ND           | 0.00103   |
| Isopulegol            | ND           | ND            | ND           | 0.00103   |
| Geraniol              | ND           | ND            | ND           | 0.00103   |
| Z-Nerolidol           | ND           | ND            | ND           | 0.00103   |
| Guaiol                | ND           | ND            | ND           | 0.00103   |
| Eucalyptol            | ND           | ND            | ND           | 0.00103   |
| alpha-Terpinene       | ND           | ND            | ND           | 0.00103   |
| Z-beta-Ocimene        | ND           | ND            | ND           | 0.00103   |
| gamma-Terpinene       | ND           | ND            | ND           | 0.00103   |
| <b>Total Terpenes</b> | <b>137</b>   | <b>1.12</b>   | <b>0.112</b> |           |

## Heavy Metals

✓ PASS

Date Started: 09/21/2023  
Instrument: ICP-MS

Date Completed: 09/22/2023  
Method: TP-09.007.01

Analyst: Meagan Mattos  
Deviation: N/A

| Heavy Metals | LOQ (ppb) | Limit (ppb) | Status |
|--------------|-----------|-------------|--------|
| Arsenic      | 58.7      | 200         | Pass   |
| Cadmium      | 58.7      | 200         | Pass   |
| Lead         | 58.7      | 500         | Pass   |
| Mercury      | 29.4      | 100         | Pass   |

## Microbial Impurities

✓ PASS

Date Started: 09/20/2023  
Instrument: TEMPO & Gene-Up

Date Completed: 09/24/2023  
Method: TP-09.010.01 & TP-09.011.01

Analyst: Lana Rivera  
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   |

Disclaimer: The results presented within this report pertain only to the sample(s) indicated, as received by Smithers AMS LLC. Smithers AMS LLC is responsible for the information provided in this report, unless indicated that the customer provided the information. This report shall not be reproduced, except in full, without the written approval of Smithers AMS LLC. Action limits used to dictate pass/fail criteria are set by the Massachusetts Cannabis Control Commission.





SMITHERS

Smithers AMS LLC

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

# Certificate of Analysis

## Residual Solvents

✓ PASS

Date Started: 09/21/2023  
Instrument: HS-GC-MS

Date Completed: 09/23/2023  
Method: TP-09.005.03

Analyst: Yuemin Wang Kovaleff  
Deviation: N/A

| Residual Solvent     | LOQ (ppm)   | Limit (ppm) | Status      |
|----------------------|-------------|-------------|-------------|
| n-Propane            | 1.64        | 12.0        | Pass        |
| Iso-butane           | 1.64        | 12.0        | Pass        |
| n-Butane             | 1.64        | 12.0        | Pass        |
| Methanol             | 98.4        | 3000        | Pass        |
| Ethylene Oxide       | 0.656       |             | Pass        |
| n-Pentane            | 98.4        | 5000        | Pass        |
| Ethanol              | 98.4        | 5000        | Pass        |
| Ethyl Ether          | 98.4        | 5000        | Pass        |
| Acetone              | 98.4        | 5000        | Pass        |
| Isopropyl Alcohol    | 98.4        | 5000        | Pass        |
| Acetonitrile         | 98.4        | 410         | Pass        |
| Methylene Chloride   | 0.656       | 600         | Pass        |
| n-Hexane             | 98.4        | 290         | Pass        |
| Ethyl Acetate        | 98.4        | 5000        | Pass        |
| Chloroform           | 0.656       | 60.0        | Pass        |
| 1,2-Dichloroethane   | 0.656       | 1870        | Pass        |
| Benzene              | 0.656       |             | Pass        |
| n-Heptane            | 98.4        | 5000        | Pass        |
| Trichloroethylene    | 0.656       | 80.0        | Pass        |
| Toluene              | 98.4        | 890         | Pass        |
| <b>Total Xylenes</b> | <b>49.2</b> | <b>2170</b> | <b>Pass</b> |

## Mycotoxins

✓ PASS

Date Started: 09/21/2023  
Instrument: LC-MS/MS

Date Completed: 09/22/2023  
Method: TP-09.009.03

Analyst: Yuemin Wang Kovaleff  
Deviation: N/A

| Mycotoxins              | LOQ (ppb)   | Limit (ppb) | Status      |
|-------------------------|-------------|-------------|-------------|
| Aflatoxin B1            | 4.50        |             |             |
| Aflatoxin B2            | 3.38        |             |             |
| Aflatoxin G1            | 3.38        |             |             |
| Aflatoxin G2            | 4.50        |             |             |
| Ochratoxin A            | 3.38        |             |             |
| <b>Total Mycotoxins</b> | <b>3.38</b> | <b>20.0</b> | <b>Pass</b> |

Eric Steele, Lab Director  
09/24/2023

END OF REPORT

Disclaimer: The results presented within this report pertain only to the sample(s) indicated, as received by Smithers AMS LLC. Smithers AMS LLC is responsible for the information provided in this report, unless indicated that the customer provided the information. This report shall not be reproduced, except in full, without the written approval of Smithers AMS LLC. Action limits used to dictate pass/fail criteria are set by the Massachusetts Cannabis Control Commission.

