



Smithers AMS LLC

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



Customer: The Healing Rose

Address:
23 Hale St
Newburyport MA 01950
Phone: 978-409-1091
License #: MDAR 25190109P



Sample ID: 38692
Sample Name: Full Spectrum CBG Isolate - Organic
Sample Type: Isolate
Received Date: 12/05/2025
Report Date: 12/10/2025
METRC ID: N/A
Client Batch ID: HE106
Sanitization Method: None
Client Sample Size: 5 grams

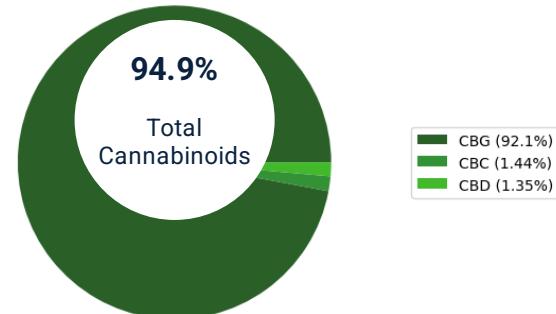
Certificate of Analysis



Results Summary

| Cannabinoids | TESTED |
|----------------------|--|
| 12/10/2025 | |
| Heavy Metals | <input checked="" type="checkbox"/> PASS |
| 12/09/2025 | |
| Microbial Impurities | <input checked="" type="checkbox"/> PASS |
| 12/09/2025 | |
| Residual Solvents | <input checked="" type="checkbox"/> PASS |
| 12/10/2025 | |
| Mycotoxins | <input checked="" type="checkbox"/> PASS |
| 12/08/2025 | |
| Pesticides | <input checked="" type="checkbox"/> PASS |
| 12/10/2025 | |

Cannabinoid Distribution (%)



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Certificate of Analysis

Cannabinoids

Date Started: 12/08/2025

Instrument: UPLC-PDA

Date Completed: 12/10/2025

Method: TP-09.001.06 & TP-09.012.07

Analyst: Lana Rivera (B144852)

Deviation: N/A

| Cannabinoid | Result (%) | Result (mg/g) | LOD (%) | LOQ (%) |
|---------------------------|-------------|---------------|---------|---------|
| CBG | 92.1 | 921 | 0.109 | 1.25 |
| CBC | 1.44 | 14.4 | 0.0119 | 0.100 |
| CBD | 1.35 | 13.5 | 0.0194 | 0.251 |
| CBDVA | ND | ND | 0.0169 | 0.100 |
| CBDV | ND | ND | 0.0479 | 0.100 |
| CBDA | ND | ND | 0.0158 | 0.251 |
| CBGA | ND | ND | 0.00982 | 0.125 |
| Δ9-THCV | ND | ND | 0.0135 | 0.100 |
| Δ8-THCV | ND | ND | 0.0245 | 0.100 |
| THCVA | ND | ND | 0.0106 | 0.100 |
| CBN | ND | ND | 0.0172 | 0.125 |
| CBNA | ND | ND | 0.0132 | 0.100 |
| Exo-THC | ND | ND | 0.0201 | 0.100 |
| Δ9-THC | ND | ND | 0.0463 | 0.251 |
| Δ8-THC | ND | ND | 0.0439 | 0.125 |
| CBL | ND | ND | 0.0297 | 0.100 |
| THCA | ND | ND | 0.0401 | 0.251 |
| CBCA | ND | ND | 0.0323 | 0.100 |
| Total THC | ND | ND | | |
| Total CBD | 1.35 | 13.5 | | |
| Total Cannabinoids | 94.9 | 949 | | |

Total THC = Δ9-THC + (THCA 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: 12/08/2025

Instrument: ICP-MS

Date Completed: 12/09/2025

Method: TP-09.007.04

Analyst: Meagan Mattos (B154555)

Deviation: N/A

| Heavy Metals | Result (ppb) | LOD (ppb) | LOQ (ppb) | Limit (ppb) | Status |
|--------------|--------------|-----------|-----------|-------------|--------|
| Arsenic | ND | 11.4 | 76.8 | 200 | Pass |
| Cadmium | ND | 6.82 | 76.8 | 200 | Pass |
| Lead | ND | 6.27 | 76.8 | 500 | Pass |
| Mercury | ND | 5.47 | 38.4 | 100 | Pass |

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Microbial Impurities

 **PASS**

Date Started: 12/05/2025
Instrument: TEMPO & Gene-Up

Date Completed: 12/09/2025
Method: TP-09.010.02 & TP-09.011.03

Analyst: Sydney Murphy (B168056)
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 | ND | 100000 | Pass |
| E.coli | ND | | Pass |
| Salmonella | ND | | Pass |

Residual Solvents

 **PASS**

Date Started: 12/08/2025
Instrument: HS-GC-MS

Date Completed: 12/10/2025
Method: TP-09.005.04

Analyst: Lana Rivera (B144852)
Deviation: N/A

| Residual Solvent | Result (ppm) | LOD (ppm) | LOQ (ppm) | Limit (ppm) | Status |
|----------------------|--------------|-------------|-------------|-------------|-------------|
| n-Propane | ND | 0.293 | 1.15 | 12.0 | Pass |
| Iso-butane | ND | 0.193 | 1.15 | 12.0 | Pass |
| n-Butane | ND | 0.126 | 1.15 | 12.0 | Pass |
| Methanol | ND | 27.4 | 69.2 | 3000 | Pass |
| Ethylene Oxide | ND | 0.461 | 0.923 | | Pass |
| n-Pentane | ND | 18.6 | 69.2 | 5000 | Pass |
| Ethanol | <LOQ | 12.8 | 69.2 | 5000 | Pass |
| Ethyl Ether | ND | 17.5 | 69.2 | 5000 | Pass |
| Acetone | ND | 12.5 | 69.2 | 5000 | Pass |
| Isopropyl Alcohol | ND | 15.6 | 69.2 | 5000 | Pass |
| Acetonitrile | ND | 9.74 | 69.2 | 410 | Pass |
| Methylene Chloride | ND | 0.461 | 0.923 | 600 | Pass |
| n-Hexane | ND | 18.8 | 69.2 | 290 | Pass |
| Ethyl Acetate | ND | 10.8 | 69.2 | 5000 | Pass |
| Chloroform | ND | 0.461 | 0.923 | 60.0 | Pass |
| 1,2-Dichloroethane | ND | 0.461 | 0.923 | 1870 | Pass |
| Benzene | ND | 0.461 | 0.923 | | Pass |
| n-Heptane | ND | 20.1 | 69.2 | 5000 | Pass |
| Trichloroethylene | ND | 0.461 | 0.923 | 80.0 | Pass |
| Toluene | ND | 7.97 | 69.2 | 890 | Pass |
| Total Xylenes | ND | 13.7 | 34.6 | 2170 | Pass |

Mycotoxins

 **PASS**

Date Started: 12/06/2025
Instrument: LC-MS/MS

Date Completed: 12/08/2025
Method: TP-09.009.05

Analyst: Lana Rivera (B144852)
Deviation: N/A

| Mycotoxins | Result (ppb) | LOD (ppb) | LOQ (ppb) | Limit (ppb) | Status |
|-------------------------|--------------|--------------|-------------|-------------|-------------|
| Aflatoxin B1 | ND | 0.893 | 2.95 | | |
| Aflatoxin B2 | ND | 0.893 | 2.95 | | |
| Aflatoxin G1 | ND | 0.893 | 2.95 | | |
| Aflatoxin G2 | ND | 0.893 | 2.95 | | |
| Ochratoxin A | ND | 0.893 | 2.95 | | |
| Total Mycotoxins | ND | 0.893 | 2.95 | 20.0 | Pass |

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Certificate of Analysis

Pesticides

PASS

Date Started: 12/05/2025

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

Date Completed: 12/10/2025

Method: TP-09.008.03 & TP-09.009.05

Analyst: Garrett Lane (B158413)

Deviation: N/A

| Pesticide | Result (ppb) | LOD (ppb) | LOQ (ppb) | Limit (ppb) | Status |
|-----------------|--------------|-----------|-----------|-------------|--------|
| Bifenazate | ND | 0.616 | 2.03 | 10.0 | Pass |
| Bifenthrin | ND | 0.616 | 2.03 | 10.0 | Pass |
| Cyfluthrin | ND | 0.269 | 1.69 | 10.0 | Pass |
| Etoxazole | ND | 0.616 | 2.03 | 10.0 | Pass |
| Imazalil | ND | 0.616 | 2.03 | 10.0 | Pass |
| Imidacloprid | ND | 0.616 | 2.03 | 10.0 | Pass |
| Myclobutanil | ND | 0.616 | 2.03 | 10.0 | Pass |
| Spiromesifen | ND | 0.820 | 2.71 | 10.0 | Pass |
| Trifloxystrobin | ND | 0.616 | 2.03 | 10.0 | Pass |

Yuemin Wang Kovaleff, Lab
Manager
12/10/2025

END OF REPORT

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