



**Smithers AMS LLC**  
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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:** 10103

**Sample Name:** CBG Isolate

**Sample Type:** Isolate

**Received Date:** 01/22/2024

**Report Date:** 01/26/2024

**METRC ID:** N/A

**Client Batch ID:** HE71

**Client Sample Size:** 5 g

## Certificate of Analysis



### Results Summary

#### Cannabinoids

01/23/2024

TESTED

#### Heavy Metals

01/23/2024

✓ PASS

#### Microbial Impurities

01/25/2024

✓ PASS

#### Residual Solvents

01/26/2024

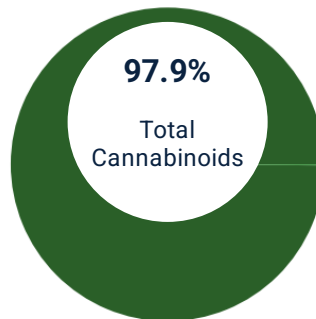
✓ PASS

#### Mycotoxins

01/25/2024

✓ PASS

### Cannabinoid Distribution (%)



■ CBG (97.8%)  
■ CBDV (0.102%)

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.



**Report Number:**  
10103.V1

Page 1 of  
3

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# Certificate of Analysis

## Cannabinoids

**Date Started:** 01/23/2024  
**Instrument:** UPLC-PDA

**Date Completed:** 01/23/2024  
**Method:** TP-09.001.05 & TP-09.012.05

**Analyst:** Yueming Wang Kovaleff  
**Deviation:** N/A

Cannabinoid	Result (%)	Result (mg/g)	LOQ (%)
CBG	97.8	978	1.01
CBDV	0.102	1.02	0.0405
CBDVA	ND	ND	0.0405
CBDA	ND	ND	0.101
CBGA	ND	ND	0.0506
CBD	ND	ND	0.101
Δ9-THCV	ND	ND	0.0405
Δ8-THCV	ND	ND	0.0405
THCVA	ND	ND	0.0405
CBN	ND	ND	0.0506
CBNA	ND	ND	0.0405
Exo-THC	ND	ND	0.0405
Δ9-THC	ND	ND	0.101
Δ8-THC	ND	ND	0.0506
CBL	ND	ND	0.0405
THCA-A	ND	ND	0.101
CBC	ND	ND	0.0405
CBCA	ND	ND	0.0405
<b>Total THC</b>	<b>ND</b>	<b>ND</b>	
<b>Total CBD</b>	<b>ND</b>	<b>ND</b>	
<b>Total Cannabinoids</b>	<b>97.9</b>	<b>979</b>	

**Total THC** = Δ9-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:** 01/23/2024  
**Instrument:** ICP-MS

**Date Completed:** 01/23/2024  
**Method:** TP-09.007.01

**Analyst:** Meagan Mattos  
**Deviation:** N/A

Heavy Metals	LOQ (ppb)	Limit (ppb)	Status
Arsenic	45.4	200	Pass
Cadmium	45.4	200	Pass
Lead	45.4	500	Pass
Mercury	22.7	100	Pass

## Microbial Impurities

✓ **PASS**

**Date Started:** 01/22/2024  
**Instrument:** TEMPO & Gene-Up

**Date Completed:** 01/25/2024  
**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

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# Certificate of Analysis

## Residual Solvents

✓ **PASS**

**Date Started:** 01/24/2024  
**Instrument:** HS-GC-MS

**Date Completed:** 01/26/2024  
**Method:** TP-09.005.03

**Analyst:** Yuemin Wang Kovaleff  
**Deviation:** N/A

Residual Solvent	LOQ (ppm)	Limit (ppm)	Status
n-Propane	1.44	12.0	Pass
Iso-butane	1.44	12.0	Pass
n-Butane	1.44	12.0	Pass
Methanol	86.3	3000	Pass
Ethylene Oxide	0.575		Pass
n-Pentane	86.3	5000	Pass
Ethanol	86.3	5000	Pass
Ethyl Ether	86.3	5000	Pass
Acetone	86.3	5000	Pass
Isopropyl Alcohol	86.3	5000	Pass
Acetonitrile	86.3	410	Pass
Methylene Chloride	0.575	600	Pass
n-Hexane	86.3	290	Pass
Ethyl Acetate	86.3	5000	Pass
Chloroform	0.575	60.0	Pass
1,2-Dichloroethane	0.575	1870	Pass
Benzene	0.575		Pass
n-Heptane	86.3	5000	Pass
Trichloroethylene	0.575	80.0	Pass
Toluene	86.3	890	Pass
<b>Total Xylenes</b>	<b>43.1</b>	<b>2170</b>	<b>Pass</b>

## Mycotoxins

✓ **PASS**

**Date Started:** 01/23/2024  
**Instrument:** LC-MS/MS

**Date Completed:** 01/25/2024  
**Method:** TP-09.009.04

**Analyst:** Yuemin Wang Kovaleff  
**Deviation:** N/A

Mycotoxins	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	4.49		
Aflatoxin B2	3.36		
Aflatoxin G1	3.36		
Aflatoxin G2	4.49		
Ochratoxin A	3.36		
<b>Total Mycotoxins</b>	<b>3.36</b>	<b>20.0</b>	<b>Pass</b>



Eric Steele, Lab Director  
 01/26/2024

**END OF REPORT**