



**Smithers AMS LLC**  
790 Main St  
Wareham, MA 02571  
License #: IL281355  
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## Certificate of Analysis



**Customer:** The Healing Rose

**Address:**

23 Hale St

Newburyport MA 01950

**Phone:** 978-409-1091

**License #:** MDAR 25190109P



**Sample ID:** 4055

**Sample Name:** THCV Distillate

**Sample Type:** Concentrate

**Received Date:** 02/13/2023

**Report Date:** 02/18/2023

**METRC ID:** N/A

**Client Batch ID:** HE55

**Client Sample Size:** g



### Results Summary

#### Cannabinoids

02/15/2023

TESTED

#### Heavy Metals

02/16/2023

✓ PASS

#### Microbial Impurities

02/16/2023

✓ PASS

#### Residual Solvents

02/15/2023

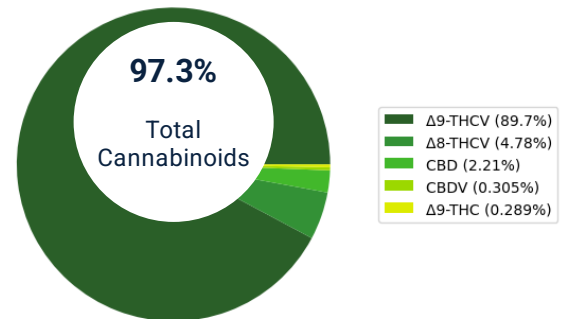
✓ PASS

#### Mycotoxins

02/16/2023

✓ PASS

### Cannabinoid Distribution (%)



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:** 4055.V1

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# Certificate of Analysis

## Cannabinoids

**Date Started:** 02/14/2023  
**Instrument:** UPLC-PDA

**Date Completed:** 02/15/2023  
**Method:** TP-09.001.03 & TP-09.012.03

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

Cannabinoid	Result (%)	Result (mg/g)	LOQ (%)
Δ9-THCV	89.7	897	0.929
Δ8-THCV	4.78	47.8	0.929
CBD	2.21	22.1	0.116
CBDV	0.305	3.05	0.0465
Δ9-THC	0.289	2.89	0.116
CBDVA	ND	ND	0.0465
CBDA	ND	ND	0.116
CBGA	ND	ND	0.0581
CBG	ND	ND	0.0581
THCVA	ND	ND	0.0465
CBN	ND	ND	0.0581
CBNA	ND	ND	0.0465
Exo-THC	ND	ND	0.0465
Δ8-THC	ND	ND	0.0581
CBL	ND	ND	0.0465
THCA-A	ND	ND	0.116
CBC	ND	ND	0.0465
CBCA	ND	ND	0.0465
<b>Total THC</b>	<b>0.289</b>	<b>2.89</b>	
<b>Total CBD</b>	<b>2.21</b>	<b>22.1</b>	
<b>Total Cannabinoids</b>	<b>97.3</b>	<b>973</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.

## Heavy Metals

✓ **PASS**

**Date Started:** 02/16/2023  
**Instrument:** ICP-MS

**Date Completed:** 02/16/2023  
**Method:** TP-09.007.01

**Analyst:** Lana Rivera  
**Deviation:** N/A

Heavy Metals	LOQ (ppb)	Limit (ppb)	Status
Arsenic	50.6	200	Pass
Cadmium	50.6	200	Pass
Lead	50.6	500	Pass
Mercury	25.3	100	Pass

## Microbial Impurities

✓ **PASS**

**Date Started:** 02/13/2023  
**Instrument:** TEMPO & Gene-Up

**Date Completed:** 02/16/2023  
**Method:** TP-09.010.01 & TP-09.011.01

**Analyst:** Eric Steele  
**Deviation:** N/A

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

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# Certificate of Analysis

## Residual Solvents

✓ **PASS**

**Date Started:** 02/14/2023  
**Instrument:** HS-GC-MS

**Date Completed:** 02/15/2023  
**Method:** TP-09.005.03

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

Residual Solvent	LOQ (ppm)	Limit (ppm)	Status
n-Propane	1.67	12.0	Pass
Iso-butane	1.67	12.0	Pass
n-Butane	1.67	12.0	Pass
Methanol	100	3000	Pass
Ethylene Oxide	0.668		Pass
n-Pentane	100	5000	Pass
Ethanol	100	5000	Pass
Ethyl Ether	100	5000	Pass
Acetone	100	5000	Pass
Isopropyl Alcohol	100	5000	Pass
Acetonitrile	100	410	Pass
Methylene Chloride	0.668	600	Pass
n-Hexane	100	290	Pass
Ethyl Acetate	100	5000	Pass
Chloroform	0.668	60.0	Pass
1,2-Dichloroethane	0.668	1870	Pass
Benzene	0.668		Pass
n-Heptane	100	5000	Pass
Trichloroethylene	0.668	80.0	Pass
Toluene	100	890	Pass
<b>Total Xylenes</b>	<b>50.1</b>	<b>2170</b>	<b>Pass</b>

## Mycotoxins

✓ **PASS**

**Date Started:** 02/13/2023  
**Instrument:** LC-MS/MS

**Date Completed:** 02/16/2023  
**Method:** TP-09.009.01

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

Mycotoxins	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	4.94		
Aflatoxin B2	3.71		
Aflatoxin G1	3.71		
Aflatoxin G2	4.94		
Ochratoxin A	3.71		
<b>Total Mycotoxins</b>	<b>3.71</b>	<b>20.0</b>	<b>Pass</b>



Eric Steele, Lab Director  
 02/18/2023

**END OF REPORT**

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