



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



Customer: Atlantic Medicinal Partners

Address:

774 Crawford Street  
Fitchburg MA 01420

Phone: 781-443-5988

License #: RMD 1506-C



Sample ID: 20151  
Sample Name: M00002501018: Bulk Flower - Chem  
Sample Strain: Chem  
Sample Type: Flower  
Received Date: 11/07/2024  
Report Date: 11/14/2024  
METRC ID: 1A40A01000029CD000040149  
METRC Source ID:  
1A40A01000029CD000039995  
Client Batch ID: CHM93024.H99F5  
Client Sample Size: 10 grams

# Certificate of Analysis

Amended 11/14/2024



## Results Summary

### Cannabinoids

TESTED

11/10/2024

### Terpenes

TESTED

11/11/2024

### Heavy Metals

✓ PASS

11/12/2024

### Microbial Impurities

✓ PASS

11/11/2024

### Pesticides and Mycotoxins

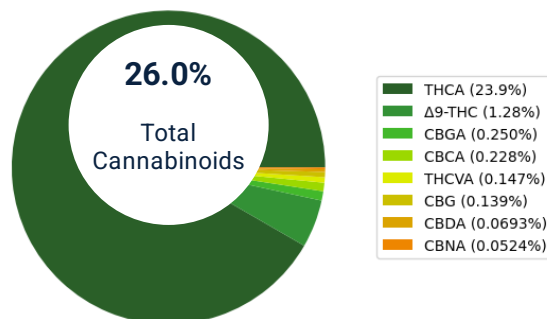
✓ PASS

11/11/2024

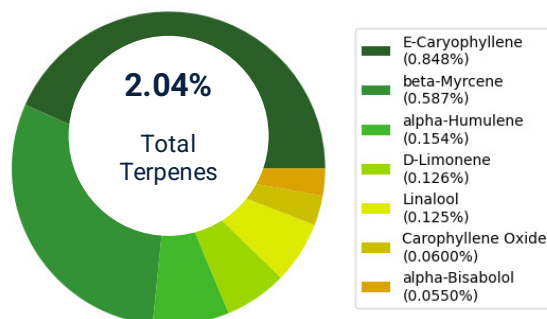
## Amended Report Notes

Added Client Batch ID

## Cannabinoid Distribution (%)



## Terpene 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.



## Cannabinoids

**Date Started:** 11/08/2024  
**Instrument:** UPLC-PDA

**Date Completed:** 11/10/2024  
**Method:** TP-09.001.05 & TP-09.012.05

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

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
THCA	23.9	239	0.100	0.626
Δ9-THC	1.28	12.8	0.0116	0.0626
CBGA	0.250	2.50	0.00245	0.0313
CBCA	0.228	2.28	0.00807	0.0251
THCVA	0.147	1.47	0.00266	0.0251
CBG	0.139	1.39	0.00272	0.0313
CBDA	0.0693	0.693	0.00395	0.0626
CBNA	0.0524	0.524	0.00331	0.0251
CBDVA	ND	ND	0.00421	0.0251
CBDV	ND	ND	0.0120	0.0251
CBD	ND	ND	0.00485	0.0626
Δ9-THCV	ND	ND	0.00338	0.0251
Δ8-THCV	ND	ND	0.00611	0.0251
CBN	ND	ND	0.00429	0.0313
Exo-THC	ND	ND	0.00501	0.0251
Δ8-THC	ND	ND	0.0110	0.0313
CBL	ND	ND	0.00741	0.0251
CBC	ND	ND	0.00297	0.0251
<b>Total THC</b>	<b>22.2</b>	<b>222</b>		
<b>Total CBD</b>	<b>0.0608</b>	<b>0.608</b>		
<b>Total Cannabinoids</b>	<b>26.0</b>	<b>260</b>		

**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.

# Certificate of Analysis

**Amended 11/14/2024**

## Terpenes

**Date Started:** 11/08/2024  
**Instrument:** GC-MS

**Date Completed:** 11/11/2024  
**Method:** TP-09.004.03

**Analyst:** Garrett Lane  
**Deviation:** N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
E-Caryophyllene	0.848	8.48	0.00275	0.00626
beta-Myrcene	0.587	5.87	0.00105	0.00626
alpha-Humulene	0.154	1.54	0.00135	0.00626
D-Limonene	0.126	1.26	0.00132	0.00626
Linalool	0.125	1.25	0.00191	0.00626
Carophyllene Oxide	0.0600	0.600	0.00142	0.00626
alpha-Bisabolol	0.0550	0.550	0.00232	0.00626
beta-Pinene	0.0333	0.333	0.00130	0.00626
alpha-Pinene	0.0229	0.229	0.000526	0.00626
Z-beta-Ocimene	0.0134	0.134	0.00254	0.00626
Terpinolene	0.00703	0.0703	0.000782	0.00626
Camphene	<LOQ	<LOQ	0.000691	0.00626
E-beta-Ocimene	<LOQ	<LOQ	0.00259	0.00626
Isopulegol	ND	ND	0.00304	0.00626
Geraniol	ND	ND	0.00195	0.00626
Z-Nerolidol	ND	ND	0.00170	0.00626
E-Nerolidol	ND	ND	0.00143	0.00626
Guaiol	ND	ND	0.00136	0.00626
Eucalyptol	ND	ND	0.00190	0.00626
delta-3-Carene	ND	ND	0.00204	0.00626
alpha-Terpinene	ND	ND	0.00192	0.00626
gamma-Terpinene	ND	ND	0.00142	0.00626
<b>Total Terpenes</b>	<b>2.04</b>	<b>20.4</b>		

## Heavy Metals

**✓ PASS**

**Date Started:** 11/12/2024  
**Instrument:** ICP-MS

**Date Completed:** 11/12/2024  
**Method:** TP-09.007.01

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

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	<LOQ	11.1	74.9	200	Pass
Cadmium	ND	6.65	74.9	200	Pass
Lead	ND	6.11	74.9	500	Pass
Mercury	ND	5.33	37.4	100	Pass

## Microbial Impurities

**✓ PASS**

**Date Started:** 11/08/2024  
**Instrument:** TEMPO & Gene-Up

**Date Completed:** 11/11/2024  
**Method:** TP-09.010.01 & TP-09.011.01

**Analyst:** Meagan Mattos  
**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

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.

# Certificate of Analysis

**Amended 11/14/2024**

## Pesticides and Mycotoxins

✓ **PASS**

**Date Started:** 11/08/2024

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

**Date Completed:** 11/11/2024

**Method:** TP-09.008.02 & TP-09.009.04

**Analyst:** Lana Rivera

**Deviation:** N/A

Analyte	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Bifenazate	ND	0.548	3.32	10.0	Pass
Bifenthrin	ND	1.17	3.32	10.0	Pass
Cyfluthrin	ND	0.440	2.76	10.0	Pass
Etoxazole	ND	0.805	3.32	10.0	Pass
Imazalil	ND	0.827	3.32	10.0	Pass
Imidacloprid	ND	0.387	3.32	10.0	Pass
Myclobutanil	ND	0.909	3.32	10.0	Pass
Spiromesifen	ND	0.969	3.32	10.0	Pass
Trifloxystrobin	ND	0.511	3.32	10.0	Pass
Aflatoxin B1	ND	1.80	4.42		
Aflatoxin B2	ND	0.356	3.32		
Aflatoxin G1	ND	0.369	3.32		
Aflatoxin G2	ND	0.938	4.42		
Ochratoxin A	ND	1.02	3.32		
<b>Total Mycotoxins</b>	<b>ND</b>	<b>0.356</b>	<b>3.32</b>	<b>20.0</b>	<b>Pass</b>



Eric Steele, Lab Director  
11/14/2024

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.