



Customer: Holistic Health Group

Address:

477 Wareham Street
Middleboro MA 02346

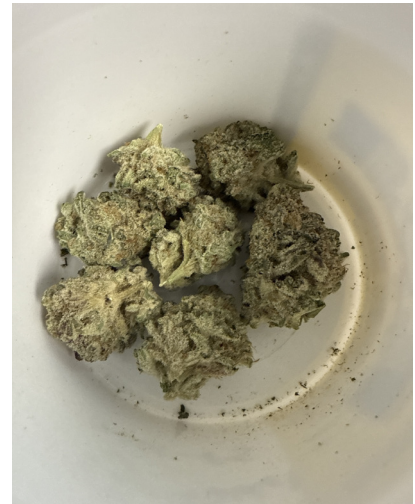
Phone: 774-419-3892

License #: MC282488



Sample ID: 25621
Sample Name: Mac 1 - Buds
Sample Strain: Mac 1
Sample Type: Flower
Received Date: 03/28/2025
Report Date: 03/31/2025
METRC ID: 1A40A010000733D000002704
METRC Source ID:
1A40A010000733D000002661
Client Batch ID: 03052025-MAC1-F5
Client Sample Size: 8 grams

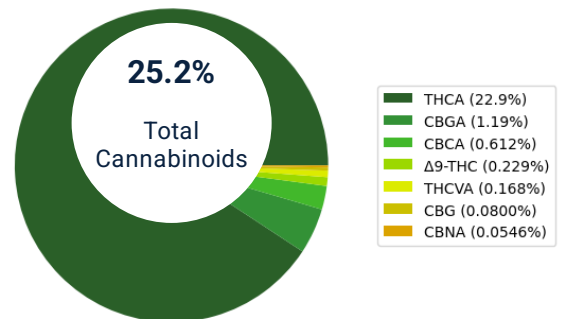
Certificate of Analysis



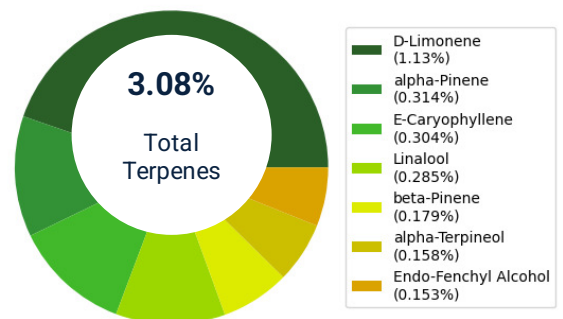
Results Summary

Cannabinoids	TESTED
03/31/2025	
Terpenes Extended	TESTED
03/31/2025	
Heavy Metals	✓ PASS
03/29/2025	
Microbial Impurities	✓ PASS
03/31/2025	
Pesticides and Mycotoxins	✓ PASS
03/31/2025	

Cannabinoid Distribution (%)



Terpene Distribution (%)



Cannabinoids

Date Started: 03/28/2025
Instrument: UPLC-PDA

Date Completed: 03/31/2025
Method: TP-09.001.05 & TP-09.012.05

Analyst: Yuermin Wang Kovaleff
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
THCA	22.9	229	0.104	0.650
CBGA	1.19	11.9	0.00255	0.0325
CBCA	0.612	6.12	0.00838	0.0260
Δ9-THC	0.229	2.29	0.0120	0.0650
THCVA	0.168	1.68	0.00276	0.0260
CBG	0.0800	0.800	0.00283	0.0325
CBDA	<LOQ	<LOQ	0.00410	0.0650
CBNA	0.0546	0.546	0.00343	0.0260
CBDVA	ND	ND	0.00438	0.0260
CBDV	ND	ND	0.0124	0.0260
CBD	ND	ND	0.00504	0.0650
Δ9-THCV	ND	ND	0.00351	0.0260
Δ8-THCV	ND	ND	0.00635	0.0260
CBN	ND	ND	0.00445	0.0325
Exo-THC	ND	ND	0.00520	0.0260
Δ8-THC	ND	ND	0.0114	0.0325
CBL	ND	ND	0.00770	0.0260
CBC	ND	ND	0.00308	0.0260
Total THC	20.3	203		
Total CBD	<LOQ	<LOQ		
Total Cannabinoids	25.2	252		

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

Terpenes Extended

Date Started: 03/28/2025
Instrument: GC-MS

Date Completed: 03/31/2025
Method: TP-09.004.03

Analyst: Garrett Lane
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
D-Limonene	1.13	11.3	0.00137	0.00650
alpha-Pinene	0.314	3.14	0.000546	0.00650
E-Caryophyllene	0.304	3.04	0.00286	0.00650
Linalool	0.285	2.85	0.00198	0.00650
beta-Pinene	0.179	1.79	0.00135	0.00650
alpha-Terpineol	0.158	1.58	0.00246	0.00650
Endo-Fenchyl Alcohol	0.153	1.53	0.00216	0.00650
beta-Myrcene	0.129	1.29	0.00109	0.00650
Z-beta-Ocimene	0.100	1.00	0.00263	0.00650
alpha-Bisabolol	0.0972	0.972	0.00241	0.00650
alpha-Humulene	0.0781	0.781	0.00140	0.00650
[+/-]-Borneol	0.0619	0.619	0.00251	0.0130
Camphene	0.0353	0.353	0.000718	0.00650
Carophyllene Oxide	0.0225	0.225	0.00147	0.00650
E-beta-Ocimene	0.0131	0.131	0.00269	0.00650
[+/-]-Fenchone	<LOQ	<LOQ	0.00144	0.0130
Terpinolene	0.0121	0.121	0.000812	0.00650
gamma-Terpineol	ND	ND	0.00117	0.00650
Isopulegol	ND	ND	0.00315	0.00650
Nerol	ND	ND	0.00205	0.00650
Geraniol	ND	ND	0.00202	0.00650
Pulegone	ND	ND	0.00247	0.00650
Valencene	ND	ND	0.00172	0.00650
Z-Nerolidol	ND	ND	0.00176	0.00650
E-Nerolidol	ND	ND	0.00148	0.00650
Guaiol	ND	ND	0.00142	0.00650
Eucalyptol	ND	ND	0.00197	0.00650
Sabinene	ND	ND	0.00222	0.00650
alpha-Phellandrene	ND	ND	0.00101	0.00650
Sabinene Hydrate	ND	ND	0.00217	0.00650
Isoborneol	ND	ND	0.00139	0.00650
Menthol	ND	ND	0.00217	0.00650
alpha-Cedrene	ND	ND	0.00197	0.00650
Geranyl Acetate	ND	ND	0.00305	0.00650
Cedrol	ND	ND	0.00265	0.00650
[+,N,-]-Camphor	ND	ND	0.00481	0.0195
delta-3-Carene	ND	ND	0.00212	0.00650
alpha-Terpinene	ND	ND	0.00199	0.00650
gamma-Terpinene	ND	ND	0.00147	0.00650
Total Terpenes	3.08	30.8		

Heavy Metals

 **PASS**

Date Started: 03/28/2025
Instrument: ICP-MS

Date Completed: 03/29/2025
Method: TP-09.007.01

Analyst: Meagan Mattos
Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	ND	11.6	78.6	200	Pass
Cadmium	ND	6.98	78.6	200	Pass
Lead	<LOQ	6.41	78.6	500	Pass
Mercury	ND	5.59	39.3	100	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

Microbial Impurities

✓ **PASS**

Date Started: 03/28/2025
Instrument: TEMPO & Gene-Up

Date Completed: 03/31/2025
Method: TP-09.010.01 & TP-09.011.01

Analyst: Sydney Murphy
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

Pesticides and Mycotoxins

✓ **PASS**

Date Started: 03/29/2025
Instrument: LC-MS/MS & GC-MS/MS

Date Completed: 03/31/2025
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	0.560	3.39	10.0	Pass
Bifenthrin	ND	1.19	3.39	10.0	Pass
Cyfluthrin	ND	0.449	2.82	10.0	Pass
Etoxazole	ND	0.822	3.39	10.0	Pass
Imazalil	ND	0.845	3.39	10.0	Pass
Imidacloprid	ND	0.395	3.39	10.0	Pass
Myclobutanil	ND	0.928	3.39	10.0	Pass
Spiromesifen	ND	0.989	3.39	10.0	Pass
Trifloxystrobin	ND	0.522	3.39	10.0	Pass
Aflatoxin B1	ND	1.84	4.52		
Aflatoxin B2	ND	0.364	3.39		
Aflatoxin G1	ND	0.377	3.39		
Aflatoxin G2	ND	0.958	4.52		
Ochratoxin A	ND	1.05	3.39		
Total Mycotoxins	ND	0.364	3.39	20.0	Pass



Yuemin Wang Kovaleff, Lab
 Manager
 03/31/2025

END OF REPORT