



Customer: Regenerative LLC

Address:

30 Noonan Way
 Uxbridge MA 01569

Phone: 508-916-8447

License #: MC282958 / MP281966



Sample ID: 22307
Sample Name: Bulk - Grapefruit OG - Vape
 Cart - 1g Distillate
Sample Type: Vape
Received Date: 01/09/2025
Report Date: 01/14/2025
METRC ID: 1A40A0300009BDD000025502
METRC Source ID:
 1A40A0300009BDD000025051
Client Batch ID: GFOG-DV-250701
Client Sample Size: 8 each



Results Summary

Cannabinoids

01/12/2025

TESTED

Vitamin E Acetate

01/10/2025

✓ PASS

Terpenes

01/12/2025

TESTED

Heavy Metals

01/12/2025

✓ PASS

Microbial Impurities

01/13/2025

✓ PASS

Residual Solvents

01/13/2025

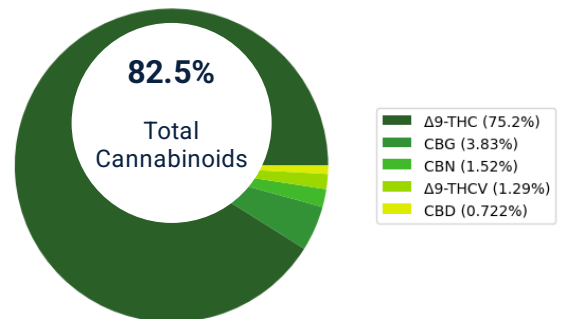
✓ PASS

Mycotoxins

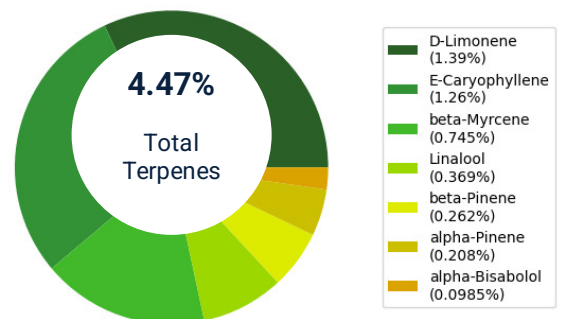
01/14/2025

✓ PASS

Cannabinoid Distribution (%)



Terpene Distribution (%)



Certificate of Analysis

Cannabinoids

Date Started: 01/09/2025
Instrument: UPLC-PDA

Date Completed: 01/12/2025
Method: TP-09.001.05 & TP-09.012.05

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
Δ9-THC	75.2	752	0.263	1.42
CBG	3.83	38.3	0.00618	0.0712
CBN	1.52	15.2	0.00975	0.0712
Δ9-THCV	1.29	12.9	0.00768	0.0569
CBD	0.722	7.22	0.0110	0.142
CBDVA	ND	ND	0.00958	0.0569
CBDV	ND	ND	0.0272	0.0569
CBDA	ND	ND	0.00898	0.142
CBGA	ND	ND	0.00558	0.0712
Δ8-THCV	ND	ND	0.0139	0.0569
THCVA	ND	ND	0.00605	0.0569
CBNA	ND	ND	0.00752	0.0569
Exo-THC	ND	ND	0.0114	0.0569
Δ8-THC	ND	ND	0.0249	0.0712
CBL	ND	ND	0.0169	0.0569
THCA	ND	ND	0.0228	0.142
CBC	ND	ND	0.00674	0.0569
CBCA	ND	ND	0.0183	0.0569
Total THC	75.2	752		
Total CBD	0.722	7.22		
Total Cannabinoids	82.5	825		

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.

Vitamin E Acetate

✓ **PASS**

Date Started: 01/09/2025
Instrument: HPLC-UV

Date Completed: 01/10/2025
Method: TP-09.006.01

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Analyte	Result (ppm)	LOD (ppm)	LOQ (ppm)	Status
Tocopheryl Acetate	ND	61.9	142	Pass

Certificate of Analysis

Terpenes

Date Started: 01/09/2025
Instrument: GC-MS

Date Completed: 01/12/2025
Method: TP-09.004.03

Analyst: Garrett Lane
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
D-Limonene	1.39	13.9	0.00299	0.0142
E-Caryophyllene	1.26	12.6	0.00622	0.0142
beta-Myrcene	0.745	7.45	0.00238	0.0142
Linalool	0.369	3.69	0.00432	0.0142
beta-Pinene	0.262	2.62	0.00294	0.0142
alpha-Pinene	0.208	2.08	0.00119	0.0142
alpha-Bisabolol	0.0985	0.985	0.00525	0.0142
Camphene	0.0401	0.401	0.00156	0.0142
Terpinolene	0.0355	0.355	0.00177	0.0142
Z-beta-Ocimene	0.0249	0.249	0.00574	0.0142
alpha-Humulene	0.0160	0.160	0.00306	0.0142
E-beta-Ocimene	<LOQ	<LOQ	0.00586	0.0142
Carophyllene Oxide	<LOQ	<LOQ	0.00321	0.0142
Geraniol	<LOQ	<LOQ	0.00441	0.0142
Isopulegol	ND	ND	0.00687	0.0142
Z-Nerolidol	ND	ND	0.00384	0.0142
E-Nerolidol	ND	ND	0.00323	0.0142
Guaiol	ND	ND	0.00308	0.0142
Eucalyptol	ND	ND	0.00430	0.0142
delta-3-Carene	ND	ND	0.00463	0.0142
alpha-Terpinene	ND	ND	0.00434	0.0142
gamma-Terpinene	ND	ND	0.00321	0.0142
Total Terpenes	4.47	44.7		

Heavy Metals

✓ **PASS**

Date Started: 01/10/2025
Instrument: ICP-MS

Date Completed: 01/12/2025
Method: TP-09.007.01

Analyst: Meagan Mattos
Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	ND	10.7	72.0	200	Pass
Cadmium	ND	6.40	72.0	200	Pass
Lead	ND	5.88	72.0	500	Pass
Mercury	ND	5.13	36.0	100	Pass

Microbial Impurities

✓ **PASS**

Date Started: 01/09/2025
Instrument: TEMPO & Gene-Up

Date Completed: 01/13/2025
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

Residual Solvents

✓ **PASS**

Date Started: 01/09/2025
Instrument: HS-GC-MS

Date Completed: 01/13/2025
Method: TP-09.005.03

Analyst: Garrett Lane
Deviation: N/A

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
n-Propane	ND	0.389	1.53	12.0	Pass
Iso-butane	ND	0.256	1.53	12.0	Pass
n-Butane	ND	0.168	1.53	12.0	Pass
Methanol	ND	36.4	92.0	3000	Pass
Ethylene Oxide	ND	0.613	1.23		Pass
n-Pentane	ND	24.7	92.0	5000	Pass
Ethanol	2960	17.1	92.0	5000	Pass
Ethyl Ether	ND	23.2	92.0	5000	Pass
Acetone	ND	16.7	92.0	5000	Pass
Isopropyl Alcohol	ND	20.8	92.0	5000	Pass
Acetonitrile	ND	12.9	92.0	410	Pass
Methylene Chloride	ND	0.613	1.23	600	Pass
n-Hexane	ND	25.0	92.0	290	Pass
Ethyl Acetate	ND	14.4	92.0	5000	Pass
Chloroform	ND	0.613	1.23	60.0	Pass
1,2-Dichloroethane	ND	0.613	1.23	1870	Pass
Benzene	ND	0.613	1.23		Pass
n-Heptane	ND	26.8	92.0	5000	Pass
Trichloroethylene	ND	0.613	1.23	80.0	Pass
Toluene	ND	10.6	92.0	890	Pass
Total Xylenes	ND	18.1	46.0	2170	Pass

Mycotoxins

✓ **PASS**

Date Started: 01/09/2025
Instrument: LC-MS/MS

Date Completed: 01/14/2025
Method: TP-09.009.04

Analyst: Lana Rivera
Deviation: N/A

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	1.66	4.09		
Aflatoxin B2	ND	0.330	3.07		
Aflatoxin G1	ND	0.342	3.07		
Aflatoxin G2	ND	0.868	4.09		
Ochratoxin A	ND	0.948	3.07		
Total Mycotoxins	ND	0.330	3.07	20.0	Pass



Eric Steele, Lab Director
 01/14/2025

END OF REPORT