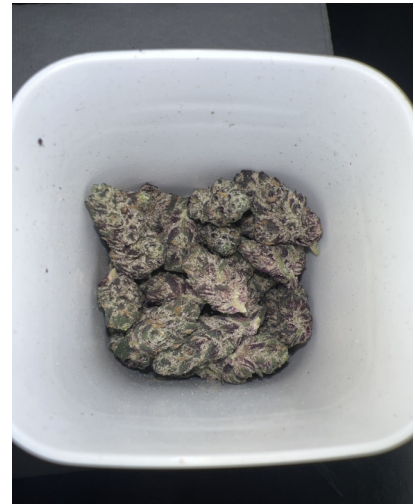




Smithers AMS LLC
790 Main St
Wareham, MA 02571
License #: IL281355
Phone: 508-295-2550

Certificate of Analysis



Customer: Bostica, LLC

Address:

71 Linden Street
Lynn MA 01905

Phone: 978-569-4063

License #: MC282139



Sample ID: 21380
Sample Name: M00003024617: Gorilla Nut
Popcorn
Sample Strain: Gorilla Nut
Sample Type: Flower
Received Date: 12/10/2024
Report Date: 12/13/2024
METRC ID: 1A40A030000E1C9000012400
METRC Source ID:
1A40A030000E1C9000012255
Client Batch ID: 111824GRNTF85
Client Sample Size: 7 grams

Results Summary

Cannabinoids

12/13/2024

TESTED

Terpenes Extended

12/13/2024

TESTED

Heavy Metals

12/11/2024

✓ PASS

Microbial Impurities

12/13/2024

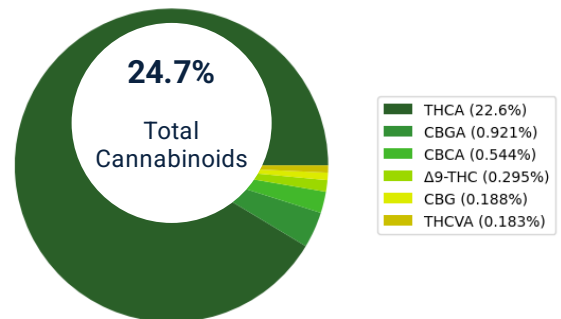
✓ PASS

Pesticides and Mycotoxins

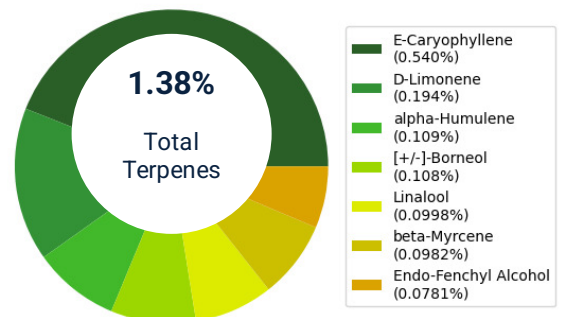
12/12/2024

✓ PASS

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Cannabinoids

Date Started: 12/11/2024
Instrument: UPLC-PDA

Date Completed: 12/13/2024
Method: TP-09.001.05 & TP-09.012.05

Analyst: Yüemin Wang Kovaleff
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
THCA	22.6	226	0.111	0.694
CBGA	0.921	9.21	0.00272	0.0347
CBCA	0.544	5.44	0.00894	0.0278
Δ9-THC	0.295	2.95	0.0128	0.0694
CBG	0.188	1.88	0.00301	0.0347
THCVA	0.183	1.83	0.00295	0.0278
CBDA	<LOQ	<LOQ	0.00438	0.0694
CBDVA	ND	ND	0.00467	0.0278
CBDV	ND	ND	0.0133	0.0278
CBD	ND	ND	0.00537	0.0694
Δ9-THCV	ND	ND	0.00374	0.0278
Δ8-THCV	ND	ND	0.00677	0.0278
CBN	ND	ND	0.00475	0.0347
CBNA	ND	ND	0.00366	0.0278
Exo-THC	ND	ND	0.00555	0.0278
Δ8-THC	ND	ND	0.0122	0.0347
CBL	ND	ND	0.00822	0.0278
CBC	ND	ND	0.00329	0.0278
Total THC	20.1	201		
Total CBD	<LOQ	<LOQ		
Total Cannabinoids	24.7	247		

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: 12/11/2024
Instrument: GC-MS

Date Completed: 12/13/2024
Method: TP-09.004.03

Analyst: Garrett Lane
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
E-Caryophyllene	0.540	5.40	0.00305	0.00694
D-Limonene	0.194	1.94	0.00147	0.00694
alpha-Humulene	0.109	1.09	0.00150	0.00694
[+/-]-Borneol	0.108	1.08	0.00268	0.0139
Linalool	0.0998	0.998	0.00212	0.00694
beta-Myrcene	0.0982	0.982	0.00117	0.00694
Endo-Fenchyl Alcohol	0.0781	0.781	0.00231	0.00694
alpha-Terpineol	0.0342	0.342	0.00262	0.00694
beta-Pinene	0.0329	0.329	0.00144	0.00694
alpha-Pinene	0.0294	0.294	0.000583	0.00694
alpha-Bisabolol	0.0267	0.267	0.00257	0.00694
Carophyllene Oxide	0.00764	0.0764	0.00157	0.00694
Camphene	<LOQ	<LOQ	0.000766	0.00694
Sabinene Hydrate	<LOQ	<LOQ	0.00232	0.00694
Z-beta-Ocimene	<LOQ	<LOQ	0.00281	0.00694
Terpinolene	<LOQ	<LOQ	0.000866	0.00694
[+/-]-Fenchone	<LOQ	<LOQ	0.00154	0.0139
E-beta-Ocimene	ND	ND	0.00287	0.00694
gamma-Terpineol	ND	ND	0.00124	0.00694
Isopulegol	ND	ND	0.00336	0.00694
Nerol	ND	ND	0.00219	0.00694
Geraniol	ND	ND	0.00216	0.00694
Pulegone	ND	ND	0.00263	0.00694
Valencene	ND	ND	0.00183	0.00694
Z-Nerolidol	ND	ND	0.00188	0.00694
E-Nerolidol	ND	ND	0.00158	0.00694
Guaiol	ND	ND	0.00151	0.00694
Eucalyptol	ND	ND	0.00210	0.00694
Sabinene	ND	ND	0.00237	0.00694
alpha-Phellandrene	ND	ND	0.00108	0.00694
Isoborneol	ND	ND	0.00149	0.00694
Menthol	ND	ND	0.00232	0.00694
alpha-Cedrene	ND	ND	0.00210	0.00694
Geranyl Acetate	ND	ND	0.00326	0.00694
Cedrol	ND	ND	0.00283	0.00694
[+,N,-]-Camphor	ND	ND	0.00513	0.0208
delta-3-Carene	ND	ND	0.00227	0.00694
alpha-Terpinene	ND	ND	0.00213	0.00694
gamma-Terpinene	ND	ND	0.00157	0.00694
Total Terpenes	1.38	13.8		

Heavy Metals

 **PASS**

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

Date Completed: 12/11/2024
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	72.6	200	Pass
Cadmium	ND	6.45	72.6	200	Pass
Lead	ND	5.92	72.6	500	Pass
Mercury	ND	5.17	36.3	100	Pass

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Certificate of Analysis

Microbial Impurities

 **PASS****Date Started:** 12/10/2024
Instrument: TEMPO & Gene-Up**Date Completed:** 12/13/2024
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

Pesticides and Mycotoxins

 **PASS****Date Started:** 12/11/2024
Instrument: LC-MS/MS & GC-MS/MS**Date Completed:** 12/12/2024
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	0.611	3.69	10.0	Pass
Bifenthrin	ND	1.30	3.69	10.0	Pass
Cyfluthrin	ND	0.490	3.08	10.0	Pass
Etoxazole	ND	0.897	3.69	10.0	Pass
Imazalil	ND	0.921	3.69	10.0	Pass
Imidacloprid	ND	0.431	3.69	10.0	Pass
Myclobutanil	ND	1.01	3.69	10.0	Pass
Spiromesifen	ND	1.08	3.69	10.0	Pass
Trifloxystrobin	ND	0.569	3.69	10.0	Pass
Aflatoxin B1	ND	2.00	4.93		
Aflatoxin B2	ND	0.397	3.69		
Aflatoxin G1	ND	0.411	3.69		
Aflatoxin G2	ND	1.04	4.93		
Ochratoxin A	ND	1.14	3.69		
Total Mycotoxins	ND	0.397	3.69	20.0	Pass

Eric Steele, Lab Director
12/13/2024

END OF REPORT