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

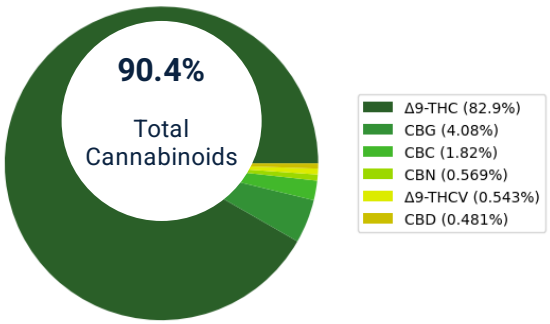
License #: MC282139

Sample ID: 54077
Sample Name: M00003785205: Charge Bar - Kiwi Guava - Disposable Vape - 1g
Sample Type: Vape
Received Date: 09/22/2026
Report Date: 09/25/2026
METRC ID: 1A40A03000106E5000030701
METRC Source ID: 1A40A03000106E5000030700
Client Batch ID: N/A
Sanitization Method: None
Client Sample Size: 4 each

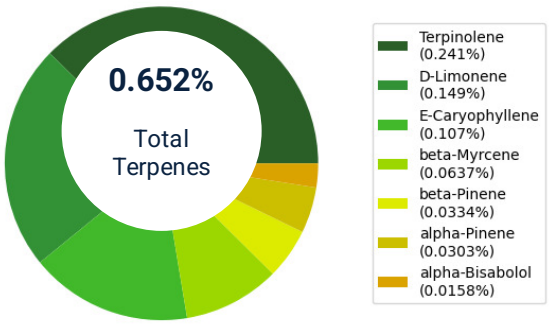
Results Summary

Cannabinoids	TESTED	
09/24/2026		
Vitamin E Acetate	☑	PASS
09/25/2026		
Terpenes Extended	TESTED	
09/24/2026		
Heavy Metals	☑	PASS
09/24/2026		
Microbial Impurities	☑	PASS
09/25/2026		
Residual Solvents	☑	PASS
09/24/2026		
Mycotoxins	☑	PASS
09/24/2026		

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Cannabinoids

Date Started: 09/23/2026
Instrument: UPLC-PDA

Date Completed: 09/24/2026
Method: TP-09.001.06 & TP-09.012.07

Analyst: Lana Rivera (B144852)
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
Δ9-THC	82.9	829	0.296	1.60
CBG	4.08	40.8	0.00696	0.0801
CBC	1.82	18.2	0.00759	0.0641
CBN	0.569	5.69	0.0110	0.0801
Δ9-THCV	0.543	5.43	0.00864	0.0641
CBD	0.481	4.81	0.0124	0.160
CBDVA	ND	ND	0.0108	0.0641
CBDV	ND	ND	0.0306	0.0641
CBDA	ND	ND	0.0101	0.160
CBGA	ND	ND	0.00628	0.0801
Δ8-THCV	ND	ND	0.0156	0.0641
THCVA	ND	ND	0.00681	0.0641
CBNA	ND	ND	0.00846	0.0641
Exo-THC	ND	ND	0.0128	0.0641
Δ8-THC	ND	ND	0.0281	0.0801
CBL	ND	ND	0.0190	0.0641
THCA	ND	ND	0.0256	0.160
CBCA	ND	ND	0.0206	0.0641
Total THC	**82.9**	**829**		
Total CBD	**0.481**	**4.81**		
Total Cannabinoids	**90.4**	**904**		

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: 09/23/2026
Instrument: HPLC-PDA

Date Completed: 09/25/2026
Method: TP-09.006.04

Analyst: Meagan Mattos (B154555)
Deviation: N/A

Analyte	Result (ppm)	LOD (ppm)	LOQ (ppm)	Status
Tocopheryl Acetate	ND	46.7	154	Pass

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Certificate of Analysis

Terpenes Extended

Date Started: 09/23/2026
Instrument: GC-MS

Date Completed: 09/24/2026
Method: TP-09.004.06

Analyst: Lana Rivera (B144852)
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
Terpinolene	0.241	2.41	0.00192	0.0154
D-Limonene	0.149	1.49	0.00326	0.0154
E-Caryophyllene	0.107	1.07	0.00677	0.0154
beta-Myrcene	0.0637	0.637	0.00259	0.0154
beta-Pinene	0.0334	0.334	0.00319	0.0154
alpha-Pinene	0.0303	0.303	0.00129	0.0154
alpha-Bisabolol	0.0158	0.158	0.00571	0.0154
Linalool	<LOQ	<LOQ	0.00470	0.0154
Camphene	ND	ND	0.00170	0.0154
E-beta-Ocimene	ND	ND	0.00637	0.0154
gamma-Terpineol	ND	ND	0.00276	0.0154
Isopulegol	ND	ND	0.00747	0.0154
Nerol	ND	ND	0.00486	0.0154
Geraniol	ND	ND	0.00480	0.0154
Pulegone	ND	ND	0.00584	0.0154
alpha-Humulene	ND	ND	0.00333	0.0154
Valencene	ND	ND	0.00407	0.0154
Z-Nerolidol	ND	ND	0.00418	0.0154
E-Nerolidol	ND	ND	0.00351	0.0154
Guaiol	ND	ND	0.00335	0.0154
Caryophyllene Oxide	ND	ND	0.00349	0.0154
Eucalyptol	ND	ND	0.00467	0.0154
Sabinene	ND	ND	0.00525	0.0154
alpha-Phellandrene	ND	ND	0.00240	0.0154
Sabinene Hydrate	ND	ND	0.00515	0.0154
Endo-Fenchyl Alcohol	ND	ND	0.00513	0.0154
Isoborneol	ND	ND	0.00330	0.0154
Menthol	ND	ND	0.00514	0.0154
[+/-]-Borneol	ND	ND	0.00596	0.0308
alpha-Terpineol	ND	ND	0.00582	0.0154
alpha-Cedrene	ND	ND	0.00467	0.0154
Geranyl Acetate	ND	ND	0.00724	0.0154
Cedrol	ND	ND	0.00628	0.0154
[+,N,-]-Camphor	ND	ND	0.0114	0.0462
delta-3-Carene	ND	ND	0.00503	0.0154
alpha-Terpinene	ND	ND	0.00472	0.0154
[+/-]-Fenchone	ND	ND	0.00342	0.0308
Z-beta-Ocimene	ND	ND	0.00624	0.0154
gamma-Terpinene	ND	ND	0.00349	0.0154
Total Terpenes	**0.652**	**6.52**		

Heavy Metals

PASS

Date Started: 09/23/2026
Instrument: ICP-MS

Date Completed: 09/24/2026
Method: TP-09.007.04

Analyst: Meagan Mattos (B154555)
Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	ND	10.7	72.6	200	Pass
Cadmium	ND	64.5	72.6	200	Pass
Lead	ND	5.93	72.6	500	Pass
Mercury	ND	5.17	36.3	100	Pass

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Microbial Impurities

PASS

Date Started: 09/22/2026
Instrument: TEMPO & Gene-Up

Date Completed: 09/25/2026
Method: TP-09.010.02 & TP-09.011.03

Analyst: Sydney Murphy (B168056)
Deviation: N/A

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

Residual Solvents

PASS

Date Started: 09/23/2026
Instrument: HS-GC-MS

Date Completed: 09/24/2026
Method: TP-09.005.05

Analyst: Lana Rivera (B144852)
Deviation: N/A

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
n-Propane	ND	0.396	1.56	12.0	Pass
Iso-butane	ND	0.260	1.56	12.0	Pass
n-Butane	ND	0.170	1.56	12.0	Pass
Methanol	ND	37.0	93.5	3000	Pass
Ethylene Oxide	ND	0.623	1.25		Pass
n-Pentane	ND	25.1	93.5	5000	Pass
Ethanol	ND	17.3	93.5	5000	Pass
Ethyl Ether	ND	23.6	93.5	5000	Pass
Acetone	ND	16.9	93.5	5000	Pass
Isopropyl Alcohol	ND	21.1	93.5	5000	Pass
Acetonitrile	ND	13.2	93.5	410	Pass
Methylene Chloride	ND	0.623	1.25	600	Pass
n-Hexane	ND	25.4	93.5	290	Pass
Ethyl Acetate	ND	14.7	93.5	5000	Pass
Chloroform	ND	0.623	1.25	60.0	Pass
1,2-Dichloroethane	ND	0.623	1.25	1870	Pass
Benzene	ND	0.623	1.25		Pass
n-Heptane	ND	27.2	93.5	5000	Pass
Trichloroethylene	ND	0.623	1.25	80.0	Pass
Toluene	ND	10.8	93.5	890	Pass
Total Xylenes	**ND**	**18.4**	**46.8**	**2170**	**Pass**

Mycotoxins

PASS

Date Started: 09/23/2026
Instrument: LC-MS/MS

Date Completed: 09/24/2026
Method: TP-09.009.06

Analyst: Lana Rivera (B144852)
Deviation: N/A

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	0.935	3.08		
Aflatoxin B2	ND	0.935	3.08		
Aflatoxin G1	ND	0.935	3.08		
Aflatoxin G2	ND	0.935	3.08		
Ochratoxin A	ND	0.935	3.08		
Total Mycotoxins	**ND**	**0.935**	**3.08**	**20.0**	**Pass**

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Yuemin Wang Kovaleff, Lab Manager
09/25/2026

END OF REPORT

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