



Smithers CTS NJ LLC
 16000 Horizon Way, Suite 700
 Mount Laurel, NJ 08054
 License #: TL000005
 Accreditation #: 103104
 Certificate #: L22-543-4-R2



Customer: Lily Extracts
Address:
 163 Belmont Ave
 Garfield NJ 07026
Phone: 201-559-5541
License #: M000059

Certificate of Analysis

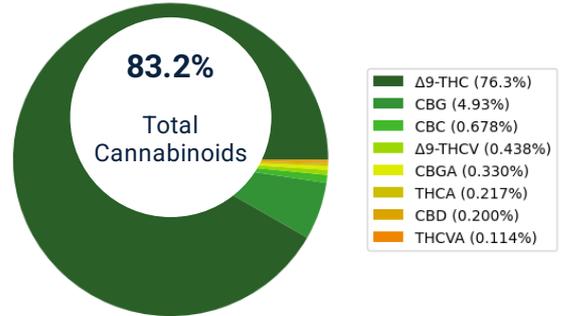


Sample ID: 28339
Sample Name: RAINBOW GUAVA EE 0.5G DISPOSABLE
Sample Type: Vape
Sampling Date: 05/27/2025
Sampling Method: 206.04
Report Date: 05/30/2025
METRC ID: 1A41103000015E1000005727
METRC Source ID:
 1A41103000015E1000005720
Client Batch ID: RG05GDISP052725
Client Batch Size: 304 each
Sample Size: 16 each

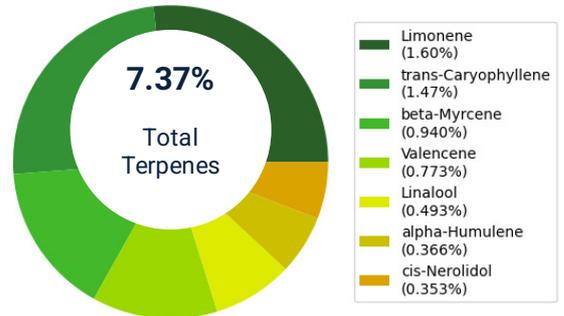
Results Summary

Cannabinoids 05/29/2025	TESTED
Foreign Material 05/28/2025	✓ PASS
Heavy Metals 05/29/2025	✓ PASS
Microbial Impurities 05/29/2025	✓ PASS
Pathogens 05/28/2025	✓ PASS
Pesticides & Mycotoxins 05/28/2025	✓ PASS
Residual Solvents 05/29/2025	✓ PASS
Terpenes 05/29/2025	TESTED
Vitamin E Acetate 05/29/2025	✓ PASS

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Cannabinoids

Date Started: 05/28/2025 **Date Completed:** 05/29/2025 **Analyst:** Braden Wachtmann-Smoot
Instrument: HPLC **Method:** TP-10.001.01 & TP-10.002.01 **Deviation:** N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
Δ9-THC	76.3	763	0.0615	0.203
CBG	4.93	49.3	0.0307	0.101
CBC	0.678	6.78	0.0307	0.101
Δ9-THCV	0.438	4.38	0.0307	0.101
CBGA	0.330	3.30	0.0307	0.101
THCA	0.217	2.17	0.0307	0.101
CBD	0.200	2.00	0.0307	0.101
THCVA	0.114	1.14	0.0307	0.101
CBN	<LOQ	<LOQ	0.0307	0.101
CBDVA	ND	ND	0.0307	0.101
CBDV	ND	ND	0.0307	0.101
CBDA	ND	ND	0.0307	0.101
*CBNA	ND	ND	0.0307	0.101
Δ8-THC	ND	ND	0.0615	0.203
CBL	ND	ND	0.0615	0.203
*CBCA	ND	ND	0.0615	0.203
Total THC	76.5	765		
Total CBD	0.200	2.00		
Total Cannabinoids	83.2	832		

*CBCA and CBNA are not currently included on the ISO 17025 accreditation scope

Total THC = Δ9-THC + Δ8-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.

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Terpenes

Date Started: 05/27/2025
Instrument: GC-FID

Date Completed: 05/29/2025
Method: TP-10.004.02

Analyst: Braden Wachtmann-Smoot
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
Limonene	1.60	16.0	0.0108	0.0216
trans-Caryophyllene	1.47	14.7	0.0108	0.0216
beta-Myrcene	0.940	9.40	0.0108	0.0216
Valencene	0.773	7.73	0.0108	0.0216
Linalool	0.493	4.93	0.0108	0.0216
alpha-Humulene	0.366	3.66	0.0108	0.0216
cis-Nerolidol	0.353	3.53	0.0108	0.0216
alpha-Cedrene	0.220	2.20	0.0108	0.0216
Terpineol (mix of isomers)	0.185	1.85	0.0108	0.0216
alpha-Pinene	0.174	1.74	0.0108	0.0216
alpha-Bisabolol	0.169	1.69	0.0108	0.0216
Endo-Fenchyl Alcohol	0.160	1.60	0.0108	0.0216
Geranyl Acetate	0.138	1.38	0.0108	0.0216
trans-Nerolidol	0.134	1.34	0.0108	0.0216
beta-Pinene	0.0606	0.606	0.0108	0.0216
Camphene	0.0440	0.440	0.0108	0.0216
Borneol (mix of isomers)	0.0315	0.315	0.0108	0.0216
Terpinolene	0.0277	0.277	0.0108	0.0216
Cedrol	0.0227	0.227	0.0108	0.0216
Fenchone (mix of isomers)	<LOQ	<LOQ	0.0108	0.0216
cis-Ocimene	ND	ND	0.0108	0.0216
Isoborneol	ND	ND	0.0108	0.0216
Carophyllene Oxide	ND	ND	0.0108	0.0216
Geraniol	ND	ND	0.0108	0.0216
trans-Ocimene	ND	ND	0.0108	0.0216
gamma-Terpinene	ND	ND	0.0108	0.0216
p-Mentha-1,5-diene	ND	ND	0.0108	0.0216
Nerol	ND	ND	0.0108	0.0216
Sabinene Hydrate	ND	ND	0.0108	0.0216
alpha-Terpinene	ND	ND	0.0108	0.0216
Eucalyptol	ND	ND	0.0108	0.0216
Pulegone (+)	ND	ND	0.0108	0.0216
Guaiol	ND	ND	0.0108	0.0216
3-Carene	ND	ND	0.0108	0.0216
Isopulegol	ND	ND	0.0108	0.0216
Camphor (mix of isomers)	ND	ND	0.0108	0.0216
Hexahydrothymol	ND	ND	0.0108	0.0216
Total Terpenes	7.37	73.7		

Foreign Material

PASS

Date Started:
Instrument: Magnifying Glass

Date Completed: 05/28/2025
Method: TP-10.012.01

Analyst: Kyle Zbikowski
Deviation: N/A

Foreign Materials

Status

Foreign Materials Analysis

Pass

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Certificate of Analysis

Heavy Metals

PASS

Date Started: 05/28/2025 **Date Completed:** 05/29/2025 **Analyst:** Braden Wachtmann-Smoot
Instrument: ICP-MS **Method:** TP-10.007.01 **Deviation:** N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	ND	35.9	118	400	Pass
Cadmium	ND	35.9	118	400	Pass
Lead	ND	35.9	118	1000	Pass
Mercury	ND	18.2	59.0	200	Pass
Chromium	ND	35.9	118	600	Pass

Microbial Impurities

PASS

Date Started: 05/27/2025 **Date Completed:** 05/29/2025 **Analyst:** Bailey Carden
Instrument: 3M Petrifilm **Method:** TP-10.010.01 **Deviation:** N/A

Microbials	Result (CFU/g)	Limit (CFU/g)	Status
Total Yeast & Mold	ND	100000	Pass
Total Aerobic Bacteria	ND	100000	Pass
E. coli	ND	1.00	Pass

Pathogens

PASS

Date Started: 05/28/2025 **Date Completed:** 05/28/2025 **Analyst:** Bailey Carden
Instrument: qPCR **Method:** TP-10.011.01 **Deviation:** N/A

Pathogens	Result (CFU/g)	Limit (CFU/g)	Status
Salmonella	ND	ND	Pass

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PASS

Pesticides & Mycotoxins

Date Started: 05/27/2025
Instrument: LC-MS/MS

Date Completed: 05/28/2025
Method: TP-10.008.01

Analyst: Braden Wachtmann-Smoot
Deviation: N/A

Analyte	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Acetamiprid	ND	3.01	9.94	200	Pass
Abamectin	ND	6.56	21.6	500	Pass
Aldicarb	ND	6.02	19.9	400	Pass
Ancymidol	ND	7.53	24.9	200	Pass
Azoxystrobin	ND	3.01	9.94	200	Pass
Bifenazate	ND	3.01	9.94	200	Pass
Bifenthrin	ND	7.53	24.9	200	Pass
Boscalid	ND	15.1	49.7	400	Pass
Carbaryl	ND	3.01	9.94	200	Pass
Carbofuran	ND	3.01	9.94	200	Pass
Chlorantraniliprole	ND	3.01	9.94	200	Pass
Chlorpyrifos	ND	7.53	24.9	200	Pass
Clofentezine	ND	7.53	24.9	200	Pass
Cyfluthrin	ND	151	497	1000	Pass
Daminozide	ND	7.53	24.9	1000	Pass
Dichlorvos	ND	7.53	24.9	100	Pass
Diazinon	ND	3.01	9.94	200	Pass
Dimethoate	ND	3.01	9.94	200	Pass
Ethephon	ND	235	777	1000	Pass
Etoxazole	ND	3.01	9.94	200	Pass
Fenpyroximate	ND	6.02	19.9	500	Pass
Fipronil	ND	3.01	9.94	400	Pass
Flonicamid	ND	6.02	19.9	1000	Pass
Fludioxonil	ND	3.01	9.94	400	Pass
Flurprimidol	ND	7.53	24.9	200	Pass
Hexythiazox	ND	6.02	19.9	1000	Pass
Imazalil	ND	7.53	24.9	200	Pass
Imidacloprid	ND	37.8	124	400	Pass
Kresoxim-methyl	ND	3.01	9.94	400	Pass
Malathion	ND	15.1	49.7	200	Pass
Metalaxyl	ND	3.01	9.94	200	Pass
Methiocarb	ND	3.01	9.94	200	Pass
Methomyl	ND	3.01	9.94	400	Pass
Myclobutanil	ND	7.53	24.9	200	Pass
Naled	ND	7.53	24.9	500	Pass
Oxamyl	ND	3.01	9.94	1000	Pass
Paclobutrazol	ND	3.01	9.94	400	Pass
Permethrin	ND	7.53	24.9	500	Pass
Phosmet	ND	7.53	24.9	200	Pass
Piperonyl butoxide	ND	3.01	9.94	1000	Pass
Propiconazole	ND	7.53	24.9	400	Pass
Pyrethrins	ND	20.0	66.1	1000	Pass
Spinosad	ND	12.7	42.0	200	Pass
Spiromesifen	ND	3.01	9.94	200	Pass
Spirotetramat	ND	7.53	24.9	200	Pass
Thiacloprid	ND	3.01	9.94	200	Pass
Thiamethoxam	ND	3.01	9.94	200	Pass
Trifloxystrobin	ND	3.01	9.94	200	Pass
Aflatoxin B1	ND	3.01	9.94	20.0	Pass
Aflatoxin B2	ND	3.01	9.94	20.0	Pass
Aflatoxin G1	ND	3.01	9.94	20.0	Pass
Aflatoxin G2	ND	3.01	9.94	20.0	Pass
Ochratoxin A	ND	3.01	9.94	20.0	Pass

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Residual Solvents

PASS

Date Started: 05/28/2025
Instrument: HS-GC-MS

Date Completed: 05/29/2025
Method: TP-10.005.01

Analyst: Bailey Carden
Deviation: N/A

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
Propanes	ND	22.8	75.5	5000	Pass
Ethanol	<LOQ	22.8	75.5	5000	Pass
Hexanes	ND	4.57	15.1	290	Pass
Benzene	ND	0.228	0.755	2.00	Pass
Heptanes	ND	22.8	75.5	5000	Pass
Toluene	ND	22.8	75.5	890	Pass
Butanes	ND	11.4	37.7	5000	Pass
Total Xylenes	ND	5.72	18.9	2170	Pass

Vitamin E Acetate

PASS

Date Started: 05/28/2025
Instrument: HPLC

Date Completed: 05/29/2025
Method: TP-10.006.01

Analyst: Kevin Stevens
Deviation: N/A

Analyte	Result (%)	LOD (%)	LOQ (%)	Limit (%)	Status
Tocopheryl Acetate	ND	0.0541	0.108	0.700	Pass

Braden Wachtmann-Smoot,
 Laboratory Manager
 05/30/2025

END OF REPORT

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