



Smithers CTS NJ LLC
 16000 Horizon Way, Suite 700
 Mount Laurel, NJ 08054
 License #: TL000005

Certificate of Analysis



Customer: Lily Extracts

Address:
 163 Belmont Ave
 Garfield NJ 07026

Phone: 201-559-5541

License #: M000059



Sample ID: 36815
Sample Name: GARLIC GAS 0.5G EE AIO
Sample Type: Vape
Sampling Date: 10/27/2025
Sampling Method: 206.04
Report Date: 10/30/2025
METRC ID: 1A41103000015E1000009680
METRC Source ID:
 1A41103000015E1000009670
Client Batch ID: GG05GAI0102725
Client Batch Size: 210 each
Sample Size: 16 each

Results Summary

Cannabinoids TESTED

10/28/2025

Foreign Material PASS

10/27/2025

Heavy Metals PASS

10/28/2025

Microbial Impurities PASS

10/30/2025

Pathogens PASS

10/29/2025

Pesticides & Mycotoxins PASS

10/29/2025

Residual Solvents PASS

10/28/2025

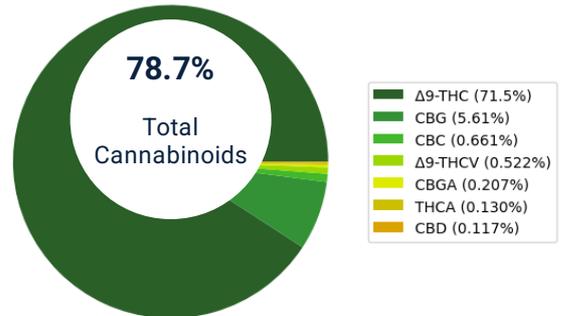
Terpenes TESTED

10/28/2025

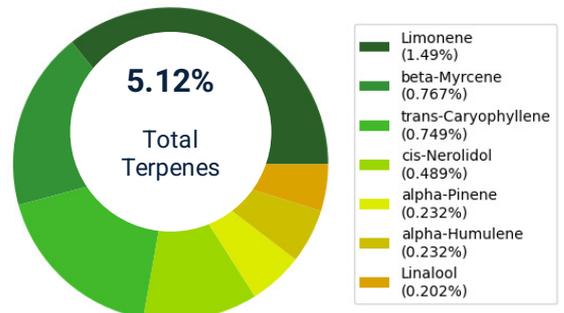
Vitamin E Acetate PASS

10/30/2025

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Cannabinoids

Date Started: 10/27/2025
Instrument: HPLC

Date Completed: 10/28/2025
Method: TP-10.001.01 & TP-10.002.01

Analyst: Braden Wachtmann-Smoot
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
Δ9-THC	71.5	715	0.0591	0.195
CBG	5.61	56.1	0.0295	0.0975
CBC	0.661	6.61	0.0295	0.0975
Δ9-THCV	0.522	5.22	0.0295	0.0975
CBGA	0.207	2.07	0.0295	0.0975
THCA	0.130	1.30	0.0295	0.0975
CBD	0.117	1.17	0.0295	0.0975
THCVA	<LOQ	<LOQ	0.0295	0.0975
CBN	<LOQ	<LOQ	0.0295	0.0975
CBDVA	ND	ND	0.0295	0.0975
CBDV	ND	ND	0.0295	0.0975
CBDA	ND	ND	0.0295	0.0975
CBNA	ND	ND	0.0295	0.0975
Δ8-THC	ND	ND	0.0591	0.195
CBL	ND	ND	0.0591	0.195
CBCA	ND	ND	0.0591	0.195
Total THC	71.6	716		
Total CBD	0.117	1.17		
Total Cannabinoids	78.7	787		

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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Certificate of Analysis

Terpenes

Date Started: 10/27/2025
Instrument: GC-FID

Date Completed: 10/28/2025
Method: TP-10.004.02

Analyst: Braden Wachtmann-Smoot
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
Limonene	1.49	14.9	0.0106	0.0212
beta-Myrcene	0.767	7.67	0.0106	0.0212
trans-Caryophyllene	0.749	7.49	0.0106	0.0212
cis-Nerolidol	0.489	4.89	0.0106	0.0212
alpha-Humulene	0.232	2.32	0.0106	0.0212
alpha-Pinene	0.232	2.33	0.0106	0.0212
Linalool	0.202	2.02	0.0106	0.0212
Terpineol (mix of isomers)	0.202	2.02	0.0106	0.0212
Endo-Fenchyl Alcohol	0.182	1.82	0.0106	0.0212
alpha-Bisabolol	0.179	1.79	0.0106	0.0212
beta-Pinene	0.0800	0.800	0.0106	0.0212
Camphene	0.0506	0.506	0.0106	0.0212
trans-Nerolidol	0.0466	0.466	0.0106	0.0212
Valencene	0.0516	0.516	0.0106	0.0212
Cedrol	0.0380	0.380	0.0106	0.0212
Borneol (mix of isomers)	0.0378	0.378	0.0106	0.0212
Terpinolene	0.0327	0.327	0.0106	0.0212
Geranyl Acetate	0.0239	0.239	0.0106	0.0212
Geraniol	<LOQ	<LOQ	0.0106	0.0212
Carophyllene Oxide	ND	ND	0.0106	0.0212
trans-Ocimene	ND	ND	0.0106	0.0212
Fenchone (mix of isomers)	ND	ND	0.0106	0.0212
gamma-Terpinene	ND	ND	0.0106	0.0212
cis-Ocimene	ND	ND	0.0106	0.0212
Hexahydrothymol	ND	ND	0.0106	0.0212
p-Mentha-1,5-diene	ND	ND	0.0106	0.0212
Guaiol	ND	ND	0.0106	0.0212
alpha-Terpinene	ND	ND	0.0106	0.0212
Nerol	ND	ND	0.0106	0.0212
Camphor (mix of isomers)	ND	ND	0.0106	0.0212
Isopulegol	ND	ND	0.0106	0.0212
alpha-Cedrene	ND	ND	0.0106	0.0212
Pulegone (+)	ND	ND	0.0106	0.0212
3-Carene	ND	ND	0.0106	0.0212
Eucalyptol	ND	ND	0.0106	0.0212
Sabinene Hydrate	ND	ND	0.0106	0.0212
Isoborneol	ND	ND	0.0106	0.0212
Total Terpenes	5.12	51.2		

Foreign Material

PASS

Date Started: 10/27/2025
Instrument: Magnifying Glass

Date Completed: 10/27/2025
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: 10/28/2025 **Date Completed:** 10/28/2025 **Analyst:** Brett Silletti
Instrument: ICP-MS **Method:** TP-10.007.01 **Deviation:** N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	ND	36.0	118	400	Pass
Cadmium	ND	36.0	118	400	Pass
Lead	ND	36.0	118	1000	Pass
Mercury	ND	18.2	59.1	200	Pass
Chromium	ND	36.0	118	600	Pass

Microbial Impurities

PASS

Date Started: 10/28/2025 **Date Completed:** 10/30/2025 **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: 10/29/2025 **Date Completed:** 10/29/2025 **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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Pesticides & Mycotoxins

PASS

Date Started: 10/28/2025
Instrument: LC-MS/MS

Date Completed: 10/29/2025
Method: TP-10.008.02

Analyst: Braden Wachtmann-Smoot
Deviation: N/A

Analyte	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Acetamiprid	ND	2.96	9.79	200	Pass
Abamectin	ND	6.46	21.3	500	Pass
Aldicarb	ND	5.92	19.6	400	Pass
Ancymidol	ND	7.41	24.5	200	Pass
Azoxystrobin	ND	2.96	9.79	200	Pass
Bifenazate	ND	2.96	9.79	200	Pass
Bifenthrin	ND	7.41	24.5	200	Pass
Boscalid	ND	14.8	48.9	400	Pass
Carbaryl	ND	2.96	9.79	200	Pass
Carbofuran	ND	2.96	9.79	200	Pass
Chlorantraniliprole	ND	2.96	9.79	200	Pass
Chlorpyrifos	ND	7.41	24.5	200	Pass
Clofentezine	ND	7.41	24.5	200	Pass
Cyfluthrin	ND	148	489	1000	Pass
Daminozide	ND	7.41	24.5	1000	Pass
Dichlorvos	ND	7.41	24.5	100	Pass
Diazinon	ND	2.96	9.79	200	Pass
Dimethoate	ND	2.96	9.79	200	Pass
Ethephon	ND	232	765	1000	Pass
Etoxazole	ND	2.96	9.79	200	Pass
Fenpyroximate	ND	5.92	19.6	500	Pass
Fipronil	ND	2.96	9.79	400	Pass
Flonicamid	ND	5.92	19.6	1000	Pass
Fludioxonil	ND	2.96	9.79	400	Pass
Flurprimidol	ND	7.41	24.5	200	Pass
Hexythiazox	ND	5.92	19.6	1000	Pass
Imazalil	ND	7.41	24.5	200	Pass
Imidacloprid	ND	37.2	122	400	Pass
Kresoxim-methyl	ND	2.96	9.79	400	Pass
Malathion	ND	14.8	48.9	200	Pass
Metalaxyl	ND	2.96	9.79	200	Pass
Methiocarb	ND	2.96	9.79	200	Pass
Methomyl	ND	2.96	9.79	400	Pass
Myclobutanil	ND	7.41	24.5	200	Pass
Naled	ND	7.41	24.5	500	Pass
Oxamyl	ND	2.96	9.79	1000	Pass
Paclobutrazol	ND	2.96	9.79	400	Pass
Permethrin	ND	7.41	24.5	500	Pass
Phosmet	ND	7.41	24.5	200	Pass
Piperonyl butoxide	ND	2.96	9.79	1000	Pass
Propiconazole	ND	7.41	24.5	400	Pass
Pyrethrins	ND	19.7	65.1	1000	Pass
Spinosad	ND	12.5	41.3	200	Pass
Spiromesifen	ND	2.96	9.79	200	Pass
Spirotetramat	ND	7.41	24.5	200	Pass
Thiacloprid	ND	2.96	9.79	200	Pass
Thiamethoxam	ND	2.96	9.79	200	Pass
Trifloxystrobin	ND	2.96	9.79	200	Pass
Aflatoxin B1	ND	2.96	9.79	20.0	Pass
Aflatoxin B2	ND	2.96	9.79	20.0	Pass
Aflatoxin G1	ND	2.96	9.79	20.0	Pass
Aflatoxin G2	ND	2.96	9.79	20.0	Pass
Ochratoxin A	ND	2.96	9.79	20.0	Pass

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Residual Solvents

PASS

Date Started: 10/27/2025
Instrument: HS-GC-MS

Date Completed: 10/28/2025
Method: TP-10.005.01

Analyst: Bailey Carden
Deviation: N/A

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
Propanes	ND	24.0	79.4	5000	Pass
Ethanol	<LOQ	24.0	79.4	5000	Pass
Hexanes	ND	4.80	15.9	290	Pass
Benzene	ND	0.240	0.794	2.00	Pass
Heptanes	ND	24.0	79.4	5000	Pass
Toluene	ND	24.0	79.4	890	Pass
Butanes	ND	12.0	39.7	5000	Pass
Total Xylenes	ND	6.01	19.8	2170	Pass

Vitamin E Acetate

PASS

Date Started: 10/28/2025
Instrument: HPLC

Date Completed: 10/30/2025
Method: TP-10.006.01

Analyst: Braden Wachtmann-Smoot
Deviation: N/A

Analyte	Result (%)	LOD (%)	LOQ (%)	Limit (%)	Status
Tocopheryl Acetate	ND	0.0499	0.0998	0.700	Pass

Braden Wachtmann-Smoot,
 Laboratory Manager
 10/30/2025

END OF REPORT

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