



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



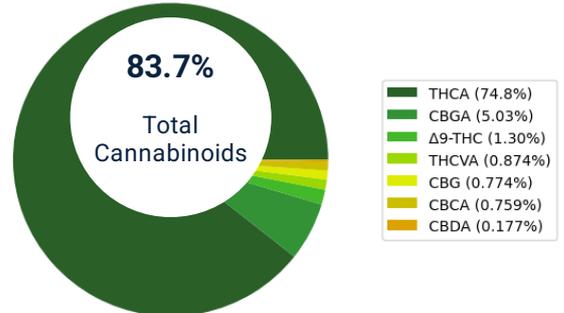
Sample ID: 36814
Sample Name: GARLIC GAS EE 2G COLD CURE
Sample Type: Concentrate
Sampling Date: 10/27/2025
Sampling Method: 206.04
Report Date: 10/30/2025
METRC ID: 1A41103000015E1000009679
METRC Source ID: 1A41103000015E1000009669
Client Batch ID: GG2GCC102725
Client Batch Size: 77 each
Sample Size: 4 each



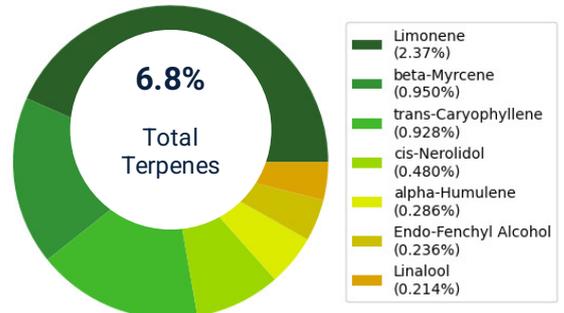
Results Summary

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	

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Cannabinoids

Date Started: 10/27/2025 | **Date Completed:** 10/28/2025 | **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 (%)
THCA	74.8	748	0.0298	0.0984
CBGA	5.03	50.3	0.0298	0.0984
Δ9-THC	1.30	13.0	0.0596	0.197
THCVA	0.874	8.74	0.0298	0.0984
CBG	0.774	7.74	0.0298	0.0984
CBCA	0.759	7.59	0.0596	0.197
CBDA	0.177	1.77	0.0298	0.0984
CBDVA	ND	ND	0.0298	0.0984
CBDV	ND	ND	0.0298	0.0984
CBD	ND	ND	0.0298	0.0984
Δ9-THCV	ND	ND	0.0298	0.0984
CBN	ND	ND	0.0298	0.0984
CBNA	ND	ND	0.0298	0.0984
Δ8-THC	ND	ND	0.0596	0.197
CBL	ND	ND	0.0596	0.197
CBC	ND	ND	0.0298	0.0984
Total THC	66.9	669		
Total CBD	0.155	1.55		
Total Cannabinoids	83.7	837		

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: 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	2.37	23.7	0.0101	0.0202
beta-Myrcene	0.950	9.50	0.0101	0.0202
trans-Caryophyllene	0.928	9.28	0.0101	0.0202
cis-Nerolidol	0.480	4.80	0.0101	0.0202
alpha-Humulene	0.286	2.86	0.0101	0.0202
Endo-Fenchyl Alcohol	0.236	2.36	0.0101	0.0202
Linalool	0.214	2.14	0.0101	0.0202
alpha-Cedrene	0.214	2.14	0.0101	0.0202
alpha-Bisabolol	0.208	2.08	0.0101	0.0202
beta-Pinene	0.203	2.03	0.0101	0.0202
Terpineol (mix of isomers)	0.202	2.02	0.0101	0.0202
alpha-Pinene	0.145	1.45	0.0101	0.0202
Cedrol	0.0764	0.764	0.0101	0.0202
trans-Nerolidol	0.0567	0.567	0.0101	0.0202
Camphene	0.0433	0.433	0.0101	0.0202
Geranyl Acetate	0.0390	0.390	0.0101	0.0202
Valencene	0.0383	0.383	0.0101	0.0202
Borneol (mix of isomers)	0.0360	0.360	0.0101	0.0202
Terpinolene	0.0288	0.288	0.0101	0.0202
Carophyllene Oxide	0.0256	0.256	0.0101	0.0202
Geraniol	0.0224	0.224	0.0101	0.0202
Isopulegol	<LOQ	<LOQ	0.0101	0.0202
Camphor (mix of isomers)	ND	ND	0.0101	0.0202
cis-Ocimene	ND	ND	0.0101	0.0202
trans-Ocimene	ND	ND	0.0101	0.0202
Fenchone (mix of isomers)	ND	ND	0.0101	0.0202
Nerol	ND	ND	0.0101	0.0202
Hexahydrothymol	ND	ND	0.0101	0.0202
Sabinene Hydrate	ND	ND	0.0101	0.0202
Guaiol	ND	ND	0.0101	0.0202
gamma-Terpinene	ND	ND	0.0101	0.0202
alpha-Terpinene	ND	ND	0.0101	0.0202
Pulegone (+)	ND	ND	0.0101	0.0202
p-Mentha-1,5-diene	ND	ND	0.0101	0.0202
3-Carene	ND	ND	0.0101	0.0202
Eucalyptol	ND	ND	0.0101	0.0202
Isoborneol	ND	ND	0.0101	0.0202
Total Terpenes	6.80	68.0		

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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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	35.4	116	400	Pass
Cadmium	ND	35.4	116	400	Pass
Lead	ND	35.4	116	1000	Pass
Mercury	ND	17.9	58.2	200	Pass
Chromium	<LOQ	35.4	116	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: 10/28/2025 | **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	2.95	9.77	200	Pass
Abamectin	ND	6.45	21.2	500	Pass
Aldicarb	ND	5.91	19.5	400	Pass
Ancymidol	ND	7.40	24.4	200	Pass
Azoxystrobin	ND	2.95	9.77	200	Pass
Bifenazate	ND	2.95	9.77	200	Pass
Bifenthrin	ND	7.40	24.4	200	Pass
Boscalid	ND	14.8	48.8	400	Pass
Carbaryl	ND	2.95	9.77	200	Pass
Carbofuran	ND	2.95	9.77	200	Pass
Chlorantraniliprole	ND	2.95	9.77	200	Pass
Chlorpyrifos	ND	7.40	24.4	200	Pass
Clofentezine	ND	7.40	24.4	200	Pass
Cyfluthrin	ND	148	488	1000	Pass
Daminozide	ND	7.40	24.4	1000	Pass
Dichlorvos	ND	7.40	24.4	100	Pass
Diazinon	ND	2.95	9.77	200	Pass
Dimethoate	ND	2.95	9.77	200	Pass
Ethephon	ND	231	763	1000	Pass
Etoxazole	ND	2.95	9.77	200	Pass
Fenpyroximate	ND	5.91	19.5	500	Pass
Fipronil	ND	2.95	9.77	400	Pass
Flonicamid	ND	5.91	19.5	1000	Pass
Fludioxonil	ND	2.95	9.77	400	Pass
Flurprimidol	ND	7.40	24.4	200	Pass
Hexythiazox	ND	5.91	19.5	1000	Pass
Imazalil	ND	7.40	24.4	200	Pass
Imidacloprid	ND	37.1	122	400	Pass
Kresoxim-methyl	ND	2.95	9.77	400	Pass
Malathion	ND	14.8	48.8	200	Pass
Metalaxyl	ND	2.95	9.77	200	Pass
Methiocarb	ND	2.95	9.77	200	Pass
Methomyl	ND	2.95	9.77	400	Pass
Myclobutanil	ND	7.40	24.4	200	Pass
Naled	ND	7.40	24.4	500	Pass
Oxamyl	ND	2.95	9.77	1000	Pass
Paclobutrazol	ND	2.95	9.77	400	Pass
Permethrin	ND	7.40	24.4	500	Pass
Phosmet	ND	7.40	24.4	200	Pass
Piperonyl butoxide	ND	2.95	9.77	1000	Pass
Propiconazole	ND	7.40	24.4	400	Pass
Pyrethrins	ND	19.7	65.0	1000	Pass
Spinosad	ND	12.5	41.3	200	Pass
Spiromesifen	ND	2.95	9.77	200	Pass
Spirotetramat	ND	7.40	24.4	200	Pass
Thiacloprid	ND	2.95	9.77	200	Pass
Thiamethoxam	ND	2.95	9.77	200	Pass
Trifloxystrobin	ND	2.95	9.77	200	Pass
Aflatoxin B1	ND	2.95	9.77	20.0	Pass
Aflatoxin B2	ND	2.95	9.77	20.0	Pass
Aflatoxin G1	ND	2.95	9.77	20.0	Pass
Aflatoxin G2	ND	2.95	9.77	20.0	Pass
Ochratoxin A	ND	2.95	9.77	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	23.2	76.6	5000	Pass
Ethanol	<LOQ	23.2	76.6	5000	Pass
Hexanes	ND	4.64	15.3	290	Pass
Benzene	ND	0.232	0.766	2.00	Pass
Heptanes	ND	23.2	76.6	5000	Pass
Toluene	ND	23.2	76.6	890	Pass
Butanes	ND	11.6	38.3	5000	Pass
Total Xylenes	ND	5.80	19.2	2170	Pass

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

END OF REPORT

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