

Green Analytics NY, LLC
401 North Middletown Road, Building 60B
Pearl River, NY 10965
www.greenanalyticsllc.com
License #s: OCM-CPL-00013
ISO 17025 Certificate No.: 4356.09

Sample Result: PASS

Date Reported:	6/14/2025	Sample ID:	20250605-EMNY-014
Client Name:	Empire Standard LLC	Sample Name:	L1M-0725-004
Sampling Location:	Binghamton, New York	Sample Matrix:	Concentrate
Contact Name:	Empire Standard LLC	Sample Sub Type:	Vape
Contact Email:	info@empirestandardny.com	Package ID:	L1M-0725-004
License Number:	OCM-PROC-24-000202	Batch Lot ID:	L1M-0725-004
Medical/Adult Use:	Adult Use	Batch Size:	3200
Sampling Date:	06/05/2025 10:00:00 AM	Serving Size (g):	1

Potency	T	Pesticides	P	Heavy Metals	P	Mycotoxins	P
Water Activity	-	Microbiological	P	Residual Solvents	P	Terpenes	P
		Moisture	-	Filth & Foreign Material	-		

"-" = Not Tested; "T" = Tested; "P" = Pass; "F" = Fail

Cannabinoids: L1M-0725-004 (20250605-EMNY-014)			
Potency analysis utilizing HPLC (HPLC-UV: SOP-073-GA)			
Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.364
CBDA	< MRL	< MRL	0.364
CBGA	< MRL	< MRL	0.364
CBG	2.041	20.407	0.364
CBD	< MRL	< MRL	0.364
THCV	0.766	7.663	0.364
CBN	0.568	5.680	0.364
D9-THC	92.191	921.907	0.364
D8-THC	< MRL	< MRL	0.364
D10-THC-S	< MRL	< MRL	0.364
D10-THC-R	< MRL	< MRL	0.364
CBC	1.056	10.557	0.364
THCA	< MRL	< MRL	0.364

MRL = Minimum reporting limit/limit of quantification
mg/serving = % w/w x10 x serving size weight (g)

Test ID: #113618 | Date Tested: 06/11/2025 05:45 AM

Potency Summary	% w/w	mg/serving
Total THC [$\Delta^8\text{-THC} + \Delta^9\text{-THC} + \Delta^{10}\text{-THC} + (\text{THCA} * 0.877)$]	92.191	921.907
Total CBD [$\text{CBD} + (\text{CBDA} * 0.877)$]	< MRL	< MRL
Total Cannabinoids	96.622	966.214



Results pertain to the sample received according to sampling procedures SOP-050-NY & SOP-065-NY and relate only to items tested. Serving size (g) has been provided by the client during the sampling process, unless otherwise specified. Action limits are set according to the New York State Office of Cannabis Management Testing Limits. A sample is deemed acceptable when all analyte values are within those state determined limits. Laboratory determined measurement uncertainty is available by request.

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Terpenes: L1M-0725-004 (20250605-EMNY-014)

Terpenes analysis utilizing GC-MS (GC-MS: SOP-063-GA, SOP-069-GA)

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	< MRL	0.12
Camphene	< MRL	0.12
Sabinene	< MRL	0.12
beta-Pinene	< MRL	0.12
beta-Myrcene	< MRL	0.12
Alpha-phellandrene	< MRL	0.12
Carene	< MRL	0.12
alpha-terpinene	< MRL	0.12
p-Cymene	< MRL	0.12
Limonene	< MRL	0.12
Eucalyptol	< MRL	0.12
Ocimene	< MRL	0.09
gamma-Terpinene	< MRL	0.12
Sabinene Hydrate	< MRL	0.12
Terpinolene	< MRL	0.12
Linalool	< MRL	0.12
Fenchol	< MRL	0.12
Menthol	< MRL	0.12
Terpineol	< MRL	0.12
Citronellol	< MRL	0.12
Isopulegol	< MRL	0.12
Geraniol	< MRL	0.12
Alpha-cedrene	< MRL	0.10
Beta-Caryophyllene	< MRL	0.12
Farnesene	< MRL	0.12
alpha-Humulene	< MRL	0.12
Valencene	< MRL	0.12
cis-Nerolidol	< MRL	0.05
trans-Nerolidol	< MRL	0.07
Caryophyllene oxide	< MRL	0.12
Guaiol	< MRL	0.12
alpha-Bisabolol	< MRL	0.12

MRL = Minimum reporting limit/limit of quantification

Test ID: #113623 | Date Tested: 06/11/2025 08:01 AM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	< MRL	10	PASS



Results pertain to the sample received according to sampling procedures SOP-050-NY & SOP-065-NY and relate only to items tested. Serving size (g) has been provided by the client during the sampling process, unless otherwise specified. Action limits are set according to the New York State Office of Cannabis Management Testing Limits.

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Residual Solvents: L1M-0725-004 (20250605-EMNY-014)

PASS

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (GC-MS: SOP-067-GA, SOP-010-GA)

Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)
1,2-Dichloroethane	PASS	< MRL	5	0.362
2-Propanol	PASS	< MRL	5000	54.262
Acetone	PASS	< MRL	5000	111.639
Acetonitrile	PASS	< MRL	410	4.449
Butanes, total	PASS	< MRL	5000	54.262
Benzene	PASS	< MRL	2	0.072
Chloroform	PASS	< MRL	60	0.651
Dichloromethane	PASS	< MRL	600	6.511
Dimethyl Sulfoxide	PASS	< MRL	5000	97.672
Ethanol	PASS	< MRL	5000	54.262
Ethyl acetate	PASS	< MRL	5000	54.262
Ethyl ether	PASS	< MRL	5000	54.262
n-Heptane	PASS	< MRL	5000	54.262
Hexanes, total	PASS	< MRL	290	3.147
Methanol	PASS	< MRL	3000	32.557
Pentanes, total	PASS	< MRL	5000	54.262
Propane	PASS	< MRL	5000	54.262
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	35.162
Toluene	PASS	< MRL	890	9.659
Trichloroethane	PASS	< MRL	1500	97.672
Xylenes, total	PASS	< MRL	2170	23.550

MRL = Minimum reporting limit/limit of quantification

Test ID: #113621 | Date Tested: 06/12/2025 06:12 AM



Results pertain to the sample received according to sampling procedures SOP-050-NY & SOP-065-NY and relate only to items tested. Serving size (g) has been provided by the client during the sampling process, unless otherwise specified. Action limits are set according to the New York State Office of Cannabis Management Testing Limits. A sample is deemed acceptable when all analyte values are within those state determined limits. Laboratory determined measurement uncertainty is available by request.

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Pesticides: L1M-0725-004 (20250605-EMNY-014)

PASS

Residual pesticide analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MS/MS: SOP-062-GA, SOP-070-GA)

Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)
Abamectin	PASS	< MRL	0.50	0.100
Acephate	PASS	< MRL	0.40	0.100
Acequinocyl	PASS	< MRL	2.00	0.100
Acetamiprid	PASS	< MRL	0.20	0.100
Aldicarb	PASS	< MRL	0.40	0.100
Azadirachtin	PASS	< MRL	1.00	0.250
Azoxystrobin	PASS	< MRL	0.20	0.100
Bifenazate	PASS	< MRL	0.20	0.100
Bifenthrin	PASS	< MRL	0.20	0.100
Boscalid	PASS	< MRL	0.40	0.100
Captan	PASS	< MRL	1.00	0.500
Carbaryl	PASS	< MRL	0.20	0.100
Carbofuran	PASS	< MRL	0.20	0.100
Chlorantranilprole	PASS	< MRL	0.20	0.100
Chlordane	PASS	< MRL	1.00	0.250
Chlorfenapyr	PASS	< MRL	1.00	0.050
Chlormequat chloride	PASS	< MRL	1.00	0.100
Chlorpyrifos	PASS	< MRL	0.20	0.100
Clofentezine	PASS	< MRL	0.20	0.100
Coumaphos	PASS	< MRL	1.00	0.100
Cyfluthrin	PASS	< MRL	1.00	0.100
Cypermethrin	PASS	< MRL	1.00	0.100
Daminozide	PASS	< MRL	1.00	0.100
Diazinon	PASS	< MRL	0.20	0.100
Dichlorvos	PASS	< MRL	1.00	0.100
Dimethoate	PASS	< MRL	0.20	0.100
Dimethomorph	PASS	< MRL	1.00	0.100
Ethoprophos	PASS	< MRL	0.20	0.100
Etofenprox	PASS	< MRL	0.40	0.100
Etoxazole	PASS	< MRL	0.20	0.100
Fenhexamid	PASS	< MRL	1.00	0.100
Fenoxycarb	PASS	< MRL	0.20	0.100
Fenpyroximate	PASS	< MRL	0.40	0.100
Fipronil	PASS	< MRL	0.40	0.100
Flonicamid	PASS	< MRL	1.00	0.100
Fludioxonil	PASS	< MRL	0.40	0.100
Hexythiazox	PASS	< MRL	1.00	0.100
Imazalil	PASS	< MRL	0.20	0.100
Imidacloprid	PASS	< MRL	0.40	0.100
Indole-3-butyric acid	PASS	< MRL	1.00	0.250
Kresoxim-methyl	PASS	< MRL	0.40	0.100
Malathion	PASS	< MRL	0.20	0.100
Metalaxyl	PASS	< MRL	0.20	0.100
Methiocarb	PASS	< MRL	0.20	0.100
Methomyl	PASS	< MRL	0.40	0.100
Methyl Parathion	PASS	< MRL	0.20	0.050
Mevinphos	PASS	< MRL	1.00	0.100
MGK-264 I/II	PASS	< MRL	0.20	0.100
Myclobutanil	PASS	< MRL	0.20	0.100
Naled	PASS	< MRL	0.50	0.100
Oxamyl	PASS	< MRL	1.00	0.100
Paclobutrazol	PASS	< MRL	0.40	0.100
Pentachloronitrobenzene	PASS	< MRL	1.00	0.250
Permethrins, total	PASS	< MRL	0.20	0.100
Phosmet	PASS	< MRL	0.20	0.100
Piperonyl butoxide	PASS	< MRL	2.00	0.100
Prallethrin	PASS	< MRL	0.20	0.100
Propiconazole	PASS	< MRL	0.40	0.100
Propoxur	PASS	< MRL	0.20	0.100
Pyrethrins	PASS	< MRL	1.00	0.100
Pyridaben	PASS	< MRL	0.20	0.100
Spinetoram, Total	PASS	< MRL	1.00	0.100
Spinosad, Total	PASS	< MRL	0.20	0.100
Spiromesifen	PASS	< MRL	0.20	0.100
Spirotetramat	PASS	< MRL	0.20	0.100
Spiroxamine	PASS	< MRL	0.20	0.100
Tebuconazole	PASS	< MRL	0.40	0.100
Thiacloprid	PASS	< MRL	0.20	0.100
Thiamethoxam	PASS	< MRL	0.20	0.100
Trifloxystrobin	PASS	< MRL	0.20	0.100

MRL = Minimum reporting limit/limit of quantification

Test ID: #113622 | Date Tested: 06/12/2025 05:50 AM



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Mycotoxins: L1M-0725-004 (20250605-EMNY-014)					PASS
Mycotoxin analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MS/MS: SOP-062-GA, SOP-070-GA)					
Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)	
Ochratoxin	PASS	< MRL	0.02	0.010	
Total Aflatoxins	PASS	< MRL	0.02	0.010	
MRL = Minimum reporting limit/limit of quantification			Test ID: #113619 Date Tested: 06/12/2025 07:33 AM		

Heavy Metals: L1M-0725-004 (20250605-EMNY-014)					PASS
Heavy Metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS: SOP-061-NY, SOP-072-GA)					
Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)	
Chromium	PASS	< MRL	110.0	8.00	
Nickel	PASS	< MRL	2.0	1.00	
Copper	PASS	< MRL	30.0	8.00	
Arsenic	PASS	< MRL	0.2	0.10	
Cadmium	PASS	< MRL	0.2	0.10	
Antimony	PASS	< MRL	2.0	1.00	
Mercury	PASS	< MRL	0.1	0.05	
Lead	PASS	< MRL	0.5	0.20	
MRL = Minimum reporting limit/limit of quantification			Test ID: #113620 Date Tested: 06/13/2025 05:00 AM		

Microbiology - Plating: L1M-0725-004 (20250605-EMNY-014)					PASS
Microbial analysis utilizing microbial enumeration (SOP-700-NY)					
Analyte	Pass/Fail	Results (CFU/g)	Limit (CFU/g)	MRL (CFU/g)	
Total Aerobic Bacteria	PASS	< MRL	10000	100	
Total Yeast & Mold	PASS	< MRL	1000	100	
Microbiology - qPCR:					
Microbial analysis utilizing quantitative Polymerase Chain Reaction (SOP-701-NY)					
Analyte	Pass/Fail	Results (CFU/g)	Limit (CFU/g)	MRL (CFU/g)	
Salmonella spp	PASS	Absent	Absent	1	
Shiga toxin-producing E. coli	PASS	Absent	Absent	1	
Aspergillus (fumigatus, flavus, niger, terreus)	PASS	Absent	Absent	1	
MRL = Minimum reporting limit/limit of quantification			Test ID: #113624 Date Tested: 06/11/2025 04:45 AM		



Matthew Elmes
Lab Director
6/14/2025

