

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:	3/21/2025	Sample ID:	20250310-EMNY-020
Client Name:	Empire Standard LLC	Sample Name:	U1M-0425-004
Sampling Location:	Binghamton, New York	Sample Matrix:	Concentrate
Contact Name:	Empire Standard LLC	Sample Sub Type:	Vape
Contact Email:	info@empirestandardny.com	Package ID:	U1M-0425-004
License Number:	OCM-PROC-24-000202	Batch Lot ID:	U1M-0425-004
Medical/Adult Use:	Adult Use	Batch Size:	1200
Sampling Date:	03/10/2025 02:20:00 PM	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: U1M-0425-004 (20250310-EMNY-020)

Potency analysis utilizing HPLC (HPLC-UV: SOP-073-GA)

Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.988
CBDA	< MRL	< MRL	0.988
CBGA	< MRL	< MRL	0.988
CBG	2.018	20.180	0.988
CBD	< MRL	< MRL	0.988
THCV	< MRL	< MRL	0.988
CBN	< MRL	< MRL	0.988
D9-THC	94.439	944.385	0.988
D8-THC	< MRL	< MRL	0.988
D10-THC-S	< MRL	< MRL	0.988
D10-THC-R	< MRL	< MRL	0.988
CBC	1.045	10.447	0.988
THCA	< MRL	< MRL	0.988

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

Test ID: #99094 | Date Tested: 03/19/2025 05:28 AM

Potency Summary	% w/w	mg/serving
Total THC [Δ^8 -THC + Δ^9 -THC + Δ^{10} -THC + (THCA * 0.877)]	94.439	944.385
Total CBD [CBD + (CBDA * 0.877)]	< MRL	< MRL
Total Cannabinoids	97.502	975.012



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Terpenes: U1M-0425-004 (20250310-EMNY-020)

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

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	< MRL	0.08
Camphene	< MRL	0.08
Sabinene	< MRL	0.08
beta-Pinene	< MRL	0.08
beta-Myrcene	< MRL	0.08
Alpha-phellandrene	< MRL	0.08
Carene	< MRL	0.08
alpha-terpinene	< MRL	0.08
p-Cymene	< MRL	0.08
Limonene	< MRL	0.08
Eucalyptol	< MRL	0.08
Ocimene	< MRL	0.06
gamma-Terpinene	< MRL	0.08
Sabinene Hydrate	< MRL	0.08
Terpinolene	< MRL	0.08
Linalool	< MRL	0.08
Fenchol	< MRL	0.08
Menthol	< MRL	0.08
Terpineol	< MRL	0.08
Citronellol	< MRL	0.08
Isopulegol	< MRL	0.08
Geraniol	< MRL	0.08
Alpha-cedrene	< MRL	0.07
Beta-Caryophyllene	< MRL	0.08
Farnesene	< MRL	0.08
alpha-Humulene	< MRL	0.08
Valencene	< MRL	0.08
cis-Nerolidol	< MRL	0.03
trans-Nerolidol	< MRL	0.05
Caryophyllene oxide	< MRL	0.08
Guaial	< MRL	0.08
alpha-Bisabolol	0.09	0.08

MRL = Minimum reporting limit/limit of quantification

Test ID: #99099 | Date Tested: 03/13/2025 09:20 AM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	0.09	10	PASS



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Residual Solvents: U1M-0425-004 (20250310-EMNY-020)

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	4.689
2-Propanol	PASS	< MRL	5000	702.481
Acetone	PASS	< MRL	5000	140.496
Acetonitrile	PASS	< MRL	410	57.603
Butanes, total	PASS	< MRL	5000	702.481
Benzene	PASS	< MRL	2	0.938
Chloroform	PASS	< MRL	60	8.430
Dichloromethane	PASS	< MRL	600	84.298
Dimethyl Sulfoxide	PASS	< MRL	5000	1264.465
Ethanol	PASS	< MRL	5000	702.481
Ethyl acetate	PASS	< MRL	5000	702.481
Ethyl ether	PASS	< MRL	5000	702.481
n-Heptane	PASS	< MRL	5000	702.481
Hexanes, total	PASS	< MRL	290	40.744
Methanol	PASS	< MRL	3000	421.489
Pentanes, total	PASS	< MRL	5000	702.481
Propane	PASS	< MRL	5000	702.481
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	455.207
Toluene	PASS	< MRL	890	125.041
Trichloroethane	PASS	< MRL	1500	1264.465
Xylenes, total	PASS	< MRL	2170	304.878

MRL = Minimum reporting limit/limit of quantification

Test ID: #99097 | Date Tested: 03/13/2025 07:03 AM



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Pesticides: U1M-0425-004 (20250310-EMNY-020)

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: #99098 | Date Tested: 03/15/2025 07:47 AM



Results pertain to the sample received according to sampling procedures SOP-050-NY & SOP-065-NY and relate only to items tested. 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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Mycotoxins: U1M-0425-004 (20250310-EMNY-020)					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: #99095 Date Tested: 03/15/2025 07:48 AM		

Heavy Metals: U1M-0425-004 (20250310-EMNY-020)					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: #99096 Date Tested: 03/12/2025 07:39 AM		

Microbiological Screen: U1M-0425-004 (20250310-EMNY-020)					PASS
Microbial analysis utilizing quantitative Polymerase Chain Reaction and microbial enumeration (qPCR; SOP-700-NY, SOP-701-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	
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: #99100 Date Tested: 03/13/2025 07:06 AM		



Matthew Elmes
Lab Director
3/21/2025

