

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:	3/7/2025	Sample ID:	20250227-EMNY-008
Client Name:	Empire Standard LLC	Sample Name:	JPB-0425-003
Sampling Location:	Binghamton, New York	Sample Matrix:	Concentrate
Contact Name:	Empire Standard LLC	Sample Sub Type:	Badder
Contact Email:	info@empirestandardny.com	Package ID:	JPB-0425-003
License Number:	OCM-PROC-24-000202	Batch Lot ID:	JPB-0425-003
Medical/Adult Use:	Adult Use	Batch Size:	1000
Sampling Date:	02/27/2025 02:00:00 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: JPB-0425-003 (20250227-EMNY-008)

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

Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.974
CBDA	< MRL	< MRL	0.974
CBGA	1.409	14.087	0.974
CBG	< MRL	< MRL	0.974
CBD	< MRL	< MRL	0.974
THCV	< MRL	< MRL	0.974
CBN	< MRL	< MRL	0.974
D9-THC	1.807	18.073	0.974
D8-THC	< MRL	< MRL	0.974
D10-THC-S	< MRL	< MRL	0.974
D10-THC-R	< MRL	< MRL	0.974
CBC	< MRL	< MRL	0.974
THCA	80.945	809.453	0.974

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

Test ID: #97455 | Date Tested: 03/02/2025 09:05 AM

Potency Summary	% w/w	mg/serving
Total THC [$\Delta 8$ -THC + $\Delta 9$ -THC + $\Delta 10$ -THC + (THCA * 0.877)]	72.796	727.964
Total CBD [CBD + (CBDA * 0.877)]	< MRL	< MRL
Total Cannabinoids	84.161	841.613



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Terpenes: JPB-0425-003 (20250227-EMNY-008)

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

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	0.37	0.11
Camphene	< MRL	0.11
Sabinene	< MRL	0.11
beta-Pinene	0.28	0.11
beta-Myrcene	0.40	0.11
Alpha-phellandrene	< MRL	0.11
Carene	< MRL	0.11
alpha-terpinene	< MRL	0.11
p-Cymene	< MRL	0.11
Limonene	1.84	0.11
Eucalyptol	< MRL	0.11
Ocimene	0.22	0.08
gamma-Terpinene	< MRL	0.11
Sabinene Hydrate	< MRL	0.11
Terpinolene	0.17	0.11
Linalool	0.20	0.11
Fenchol	0.12	0.11
Menthol	< MRL	0.11
Terpineol	< MRL	0.11
Citronellol	< MRL	0.11
Isopulegol	< MRL	0.11
Geraniol	< MRL	0.11
Alpha-cedrene	< MRL	0.09
Beta-Caryophyllene	0.79	0.11
Farnesene	< MRL	0.11
alpha-Humulene	0.47	0.11
Valencene	< MRL	0.11
cis-Nerolidol	< MRL	0.05
trans-Nerolidol	< MRL	0.07
Caryophyllene oxide	< MRL	0.11
Guaial	< MRL	0.11
alpha-Bisabolol	0.21	0.11

MRL = Minimum reporting limit/limit of quantification

Test ID: #97460 | Date Tested: 03/01/2025 10:41 AM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	5.07	10	PASS



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Residual Solvents: JPB-0425-003 (20250227-EMNY-008)

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	4.226
2-Propanol	PASS	< MRL	5000	633.149
Acetone	PASS	< MRL	5000	126.630
Acetonitrile	PASS	< MRL	410	51.918
Butanes, total	PASS	< MRL	5000	633.149
Benzene	PASS	< MRL	2	0.845
Chloroform	PASS	< MRL	60	7.598
Dichloromethane	PASS	< MRL	600	75.978
Dimethyl Sulfoxide	PASS	< MRL	5000	1139.668
Ethanol	PASS	< MRL	5000	633.149
Ethyl acetate	PASS	< MRL	5000	633.149
Ethyl ether	PASS	< MRL	5000	633.149
n-Heptane	PASS	< MRL	5000	633.149
Hexanes, total	PASS	< MRL	290	36.723
Methanol	PASS	< MRL	3000	379.890
Pentanes, total	PASS	< MRL	5000	633.149
Propane	PASS	< MRL	5000	633.149
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	410.280
Toluene	PASS	< MRL	890	112.700
Trichloroethane	PASS	< MRL	1500	1139.668
Xylenes, total	PASS	< MRL	2170	274.788

MRL = Minimum reporting limit/limit of quantification

Test ID: #97458 | Date Tested: 03/02/2025 07:48 PM



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Pesticides: JPB-0425-003 (20250227-EMNY-008)

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: #97459 | Date Tested: 03/04/2025 06:35 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: JPB-0425-003 (20250227-EMNY-008)

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: #97456 | Date Tested: 03/04/2025 06:36 AM

Heavy Metals: JPB-0425-003 (20250227-EMNY-008)

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: #97457 | Date Tested: 03/01/2025 09:13 AM

Microbiological Screen: JPB-0425-003 (20250227-EMNY-008)

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: #97461 | Date Tested: 03/03/2025 06:10 AM



Matthew Elmes
Lab Director
3/7/2025

