

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

<b>Date Reported:</b>	1/28/2025	<b>Sample ID:</b>	20250116-EMNY-020
<b>Client Name:</b>	Empire Standard LLC	<b>Sample Name:</b>	JPB-0325-004
<b>Sampling Location:</b>	Binghamton, New York	<b>Sample Matrix:</b>	Concentrate
<b>Contact Name:</b>	Empire Standard LLC	<b>Sample Sub Type:</b>	Badder
<b>Contact Email:</b>	info@empirestandardny.com	<b>Package ID:</b>	JPB-0325-004
<b>License Number:</b>	OCM-PROC-24-000202	<b>Batch Lot ID:</b>	JPB-0325-004
<b>Medical/Adult Use:</b>	Adult Use	<b>Batch Size:</b>	1000
<b>Sampling Date:</b>	01/16/2025 12:00:00 PM	<b>Serving Size (g):</b>	1

<b>Potency</b>	<b>T</b>	<b>Pesticides</b>	<b>P</b>	<b>Heavy Metals</b>	<b>P</b>	<b>Mycotoxins</b>	<b>P</b>
<b>Water Activity</b>	<b>-</b>	<b>Microbiological</b>	<b>P</b>	<b>Residual Solvents</b>	<b>P</b>	<b>Terpenes</b>	<b>P</b>
		<b>Moisture</b>	<b>-</b>	<b>Filth &amp; Foreign Material</b>	<b>-</b>		

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

Cannabinoids: JPB-0325-004 (20250116-EMNY-020)			
Potency analysis utilizing HPLC (HPLC-UV: SOP-073-GA)			
Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.887
CBDA	< MRL	< MRL	0.887
CBGA	0.897	8.973	0.887
CBG	< MRL	< MRL	0.887
CBD	< MRL	< MRL	0.887
THCV	< MRL	< MRL	0.887
CBN	< MRL	< MRL	0.887
D9-THC	10.051	100.513	0.887
D8-THC	< MRL	< MRL	0.887
D10-THC-S	< MRL	< MRL	0.887
D10-THC-R	< MRL	< MRL	0.887
CBC	< MRL	< MRL	0.887
THCA	72.392	723.920	0.887

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

Test ID: #92280 | Date Tested: 01/22/2025 02:20 PM

Potency Summary	% w/w	mg/serving
<b>Total THC</b> [ $\Delta^8\text{-THC} + \Delta^9\text{-THC} + \Delta^{10}\text{-THC} + (\text{THCA} * 0.877)$ ]	73.539	735.391
<b>Total CBD</b> [ $\text{CBD} + (\text{CBDA} * 0.877)$ ]	< MRL	< MRL
<b>Total Cannabinoids</b>	83.340	833.406



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### Terpenes: JPB-0325-004 (20250116-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	0.12
Camphene	< MRL	0.12
Sabinene	< MRL	0.12
beta-Pinene	< MRL	0.12
beta-Myrcene	1.57	0.12
Alpha-phellandrene	< MRL	0.12
Carene	< MRL	0.12
alpha-terpinene	< MRL	0.12
p-Cymene	< MRL	0.12
Limonene	0.46	0.12
Eucalyptol	< MRL	0.12
Ocimene	0.11	0.08
gamma-Terpinene	< MRL	0.12
Sabinene Hydrate	< MRL	0.12
Terpinolene	< MRL	0.12
Linalool	0.16	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	0.09
Beta-Caryophyllene	0.68	0.12
Farnesene	0.15	0.12
alpha-Humulene	0.52	0.12
Valencene	0.20	0.12
cis-Nerolidol	< MRL	0.05
trans-Nerolidol	0.08	0.07
Caryophyllene oxide	< MRL	0.12
Guaiol	0.14	0.12
alpha-Bisabolol	< MRL	0.12

MRL = Minimum reporting limit/limit of quantification

Test ID: #92286 | Date Tested: 01/20/2025 10:30 AM

Terpenes Summary	Result	Limit	Pass/Fail
<b>Total Terpenes (% w/w)</b>	4.07	10	PASS



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### Residual Solvents: JPB-0325-004 (20250116-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	4.145
2-Propanol	PASS	< MRL	5000	620.994
Acetone	PASS	< MRL	5000	124.199
Acetonitrile	PASS	< MRL	410	50.922
Butanes, total	PASS	< MRL	5000	620.994
Benzene	PASS	< MRL	2	0.829
Chloroform	PASS	< MRL	60	7.452
Dichloromethane	PASS	< MRL	600	74.519
Dimethyl Sulfoxide	PASS	< MRL	5000	1117.789
Ethanol	PASS	< MRL	5000	620.994
Ethyl acetate	PASS	< MRL	5000	620.994
Ethyl ether	PASS	< MRL	5000	620.994
n-Heptane	PASS	< MRL	5000	620.994
Hexanes, total	PASS	< MRL	290	36.018
Methanol	PASS	< MRL	3000	372.597
Pentanes, total	PASS	< MRL	5000	620.994
Propane	PASS	< MRL	5000	620.994
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	402.404
Toluene	PASS	< MRL	890	110.537
Trichloroethane	PASS	< MRL	1500	1117.789
Xylenes, total	PASS	< MRL	2170	269.512

MRL = Minimum reporting limit/limit of quantification

Test ID: #92285 | Date Tested: 01/23/2025 08:47 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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### Pesticides: JPB-0325-004 (20250116-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: #92284 | Date Tested: 01/23/2025 08:30 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-0325-004 (20250116-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: #92283   Date Tested: 01/23/2025 08:30 AM		

Heavy Metals: JPB-0325-004 (20250116-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: #92281   Date Tested: 01/20/2025 08:51 AM		

Microbiological Screen: JPB-0325-004 (20250116-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: #92282   Date Tested: 01/29/2025 02:03 PM		



Matthew Elmes  
Lab Director  
1/28/2025

**Deviations:** RSA data associated with a laboratory control standard that was out of specification. Laboratory investigation conducted prior to reporting.

