

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

Sample Result: PASS

Date Reported:	8/21/2024	Sample ID:	20240816-EMNY-002
Client Name:	Empire Standard LLC	Sample Name:	JPB-1024-002
Sampling Location:	Binghamton, New York	Sample Matrix:	Concentrate
Contact Name:	Empire Standard LLC	Sample Sub Type:	Concentrate
Contact Email:	info@empirestandardny.com	Package ID:	
License Number:	OCM-AUCP-22-000038	Batch Lot ID:	JPB-1024-002
Medical/Adult Use:	Adult Use	Batch Size:	1000
Sampling Date:	08/16/2024 12:00:00 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-1024-002 (20240816-EMNY-002)			
Potency analysis utilizing HPLC (HPLC-UV: SOP-073-GA)			
Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.214
CBDA	< MRL	< MRL	0.214
CBGA	0.787	7.865	0.214
CBG	0.253	2.530	0.214
CBD	< MRL	< MRL	0.214
THCV	< MRL	< MRL	0.214
CBN	< MRL	< MRL	0.214
D9-THC	11.541	115.405	0.214
D8-THC	< MRL	< MRL	0.214
D10-THC-S	< MRL	< MRL	0.214
D10-THC-R	< MRL	< MRL	0.214
CBC	< MRL	< MRL	0.214
THCA	70.160	701.600	0.214

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

Test ID: #71608 | Date Tested: 08/21/2024 02:33 PM

Potency Summary	% w/w	mg/serving
Total THC [$\Delta^8\text{-THC} + \Delta^9\text{-THC} + \Delta^{10}\text{-THC} + (\text{THCA} * 0.877)$]	73.071	730.708
Total CBD [$\text{CBD} + (\text{CBDA} * 0.877)$]	< MRL	< MRL
Total Cannabinoids	82.741	827.400



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Terpenes: JPB-1024-002 (20240816-EMNY-002)

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

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	< MRL	0.11
Camphene	< MRL	0.11
Sabinene	< MRL	0.11
beta-Pinene	< MRL	0.11
beta-Myrcene	< MRL	0.11
Alpha-phellandrene	< MRL	0.11
Carene	< MRL	0.11
alpha-terpinene	< MRL	0.11
p-Cymene	< MRL	0.11
Limonene	< MRL	0.11
Eucalyptol	< MRL	0.11
Ocimene	< MRL	0.08
gamma-Terpinene	< MRL	0.11
Sabinene Hydrate	< MRL	0.11
Terpinolene	< MRL	0.11
Linalool	< MRL	0.11
Fenchol	< MRL	0.11
Menthol	< MRL	0.11
Terpineol	< MRL	0.11
Citronellol	< MRL	0.11
Isopulegol	< MRL	0.11
Geraniol	< MRL	0.11
Alpha-cedrene	0.26	0.09
Beta-Caryophyllene	< MRL	0.11
Farnesene	< MRL	0.11
alpha-Humulene	0.62	0.11
Valencene	< MRL	0.11
cis-Nerolidol	< MRL	0.05
trans-Nerolidol	0.08	0.07
Caryophyllene oxide	< MRL	0.11
Guaiol	< MRL	0.11
alpha-Bisabolol	0.14	0.11

MRL = Minimum reporting limit/limit of quantification Test ID: #71614 | Date Tested: 08/19/2024 02:56 PM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	1.10	10	PASS



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Residual Solvents: JPB-1024-002 (20240816-EMNY-002)

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	3.880
2-Propanol	PASS	< MRL	5000	581.326
Acetone	PASS	< MRL	5000	116.265
Acetonitrile	PASS	84.2	410	47.669
Butanes, total	PASS	< MRL	5000	581.326
Benzene	PASS	< MRL	2	0.776
Chloroform	PASS	< MRL	60	6.976
Dichloromethane	PASS	< MRL	600	69.759
Dimethyl Sulfoxide	PASS	< MRL	5000	1046.386
Ethanol	PASS	< MRL	5000	581.326
Ethyl acetate	PASS	< MRL	5000	581.326
Ethyl ether	PASS	< MRL	5000	581.326
n-Heptane	PASS	< MRL	5000	581.326
Hexanes, total	PASS	< MRL	290	33.717
Methanol	PASS	< MRL	3000	348.796
Pentanes, total	PASS	< MRL	5000	581.326
Propane	PASS	< MRL	5000	581.326
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	376.699
Toluene	PASS	< MRL	890	103.476
Trichloroethane	PASS	< MRL	1500	1046.386
Xylenes, total	PASS	< MRL	2170	252.296

MRL = Minimum reporting limit/limit of quantification

Test ID: #71613 | Date Tested: 08/21/2024 01:19 PM



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Pesticides: JPB-1024-002 (20240816-EMNY-002)

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

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Test ID: #71612 | Date Tested: 08/19/2024 02:56 PM



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Mycotoxins: JPB-1024-002 (20240816-EMNY-002)					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: #71611 Date Tested: 08/19/2024 02:56 PM		

Heavy Metals: JPB-1024-002 (20240816-EMNY-002)					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	0.3	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: #71609 Date Tested: 08/20/2024 07:34 AM		

Microbiological Screen: JPB-1024-002 (20240816-EMNY-002)					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: #71610 Date Tested: 08/19/2024 10:52 AM		



Matthew Elmes
Lab Director
8/21/2024

