

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:	7/2/2025	Sample ID:	20250626-EMNY-021
Client Name:	Empire Standard LLC	Sample Name:	JPPDIF-0825-002
Sampling Location:	Binghamton, New York	Sample Matrix:	Flower
Contact Name:	Empire Standard LLC	Sample Sub Type:	Infused Flower
Contact Email:	info@empirestandardny.com	Package ID:	JPPDIF-0825-002
License Number:	OCM-PROC-24-000202	Batch Lot ID:	JPPDIF-0825-002
Medical/Adult Use:	Adult Use	Batch Size:	6000
Sampling Date:	06/26/2025 12:00:00 PM	Serving Size (g):	3.5

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

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

Cannabinoids: JPPDIF-0825-002 (20250626-EMNY-021)

Potency analysis utilizing HPLC (SOP-025-NY, SOP-073-NY)

Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.136
CBDA	< MRL	< MRL	0.136
CBGA	0.685	23.988	0.136
CBG	< MRL	< MRL	0.136
CBD	< MRL	< MRL	0.136
THCV	< MRL	< MRL	0.136
CBN	< MRL	< MRL	0.136
D9-THC	2.583	90.388	0.136
D8-THC	< MRL	< MRL	0.136
D10-THC-S	< MRL	< MRL	0.136
D10-THC-R	< MRL	< MRL	0.136
CBC	< MRL	< MRL	0.136
THCA	50.546	1769.105	0.136

MRL = Minimum reporting limit/limit of quantification
mg/serving = % w/w x10 x serving size weight (g)
Reported on a dry-weight basis based on the calculation:
(wet sample % x 100)/(100 - %MC)

Test ID: #118424 | Date Tested: 07/02/2025 04:45 AM

Potency Summary	% w/w	mg/serving
Total THC [Δ8-THC + Δ9-THC + Δ10-THC + (THCA * 0.877)]	46.911	1641.893
Total CBD [CBD + (CBDA * 0.877)]	< MRL	< MRL
Total Cannabinoids	53.814	1883.481



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Terpenes: JPPDIF-0825-002 (20250626-EMNY-021)

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

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	< MRL	0.06
Camphene	< MRL	0.06
Sabinene	< MRL	0.06
beta-Pinene	< MRL	0.06
beta-Myrcene	0.18	0.06
Alpha-phellandrene	< MRL	0.06
Carene	< MRL	0.06
alpha-terpinene	< MRL	0.06
p-Cymene	< MRL	0.06
Limonene	0.27	0.06
Eucalyptol	< MRL	0.06
Ocimene	< MRL	0.05
gamma-Terpinene	< MRL	0.06
Sabinene Hydrate	< MRL	0.06
Terpinolene	< MRL	0.06
Linalool	0.14	0.06
Fenchol	< MRL	0.06
Menthol	< MRL	0.06
Terpineol	< MRL	0.06
Citronellol	< MRL	0.06
Isopulegol	< MRL	0.06
Geraniol	< MRL	0.06
Alpha-cedrene	< MRL	0.05
Beta-Caryophyllene	0.49	0.06
Farnesene	< MRL	0.06
alpha-Humulene	0.16	0.06
Valencene	0.07	0.06
cis-Nerolidol	< MRL	0.03
trans-Nerolidol	< MRL	0.04
Caryophyllene oxide	< MRL	0.06
Guaiol	< MRL	0.06
alpha-Bisabolol	0.07	0.06

MRL = Minimum reporting limit/limit of quantification

Test ID: #118430 | Date Tested: 07/01/2025 04:50 AM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	1.38	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: JPPDIF-0825-002 (20250626-EMNY-021)

PASS

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

Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)
1,2-Dichloroethane	PASS	< MRL	5	3.974
2-Propanol	PASS	< MRL	5000	595.385
Acetone	PASS	< MRL	5000	1224.945
Acetonitrile	PASS	< MRL	410	48.822
Butanes, total	PASS	< MRL	5000	595.385
Benzene	PASS	< MRL	2	0.795
Chloroform	PASS	< MRL	60	7.145
Dichloromethane	PASS	< MRL	600	71.446
Dimethyl Sulfoxide	PASS	< MRL	5000	1071.693
Ethanol	PASS	< MRL	5000	595.385
Ethyl acetate	PASS	< MRL	5000	595.385
Ethyl ether	PASS	< MRL	5000	595.385
n-Heptane	PASS	< MRL	5000	595.385
Hexanes, total	PASS	< MRL	290	34.532
Methanol	PASS	< MRL	3000	357.232
Pentanes, total	PASS	< MRL	5000	595.385
Propane	PASS	< MRL	5000	595.385
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	385.809
Toluene	PASS	< MRL	890	105.978
Trichloroethane	PASS	< MRL	1500	1071.693
Xylenes, total	PASS	< MRL	2170	258.398

MRL = Minimum reporting limit/limit of quantification

Test ID: #118428 | Date Tested: 07/01/2025 11:23 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.

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Pesticides: JPPDIF-0825-002 (20250626-EMNY-021)

PASS

Residual pesticide analysis utilizing Liquid Chromatography - Mass Spectrometry (SOP-062-NY, SOP-070-NY)

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: #118429 | Date Tested: 07/02/2025 07:05 AM



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Mycotoxins: JPPDIF-0825-002 (20250626-EMNY-021)					PASS
Mycotoxin analysis utilizing Liquid Chromatography - Mass Spectrometry (SOP-062-NY, SOP-070-NY)					
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: #118425 Date Tested: 07/01/2025 05:05 PM		

Heavy Metals: JPPDIF-0825-002 (20250626-EMNY-021)					PASS
Heavy Metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (SOP-061-NY, SOP-072-NY)					
Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)	
Chromium	PASS	< MRL	110.0	8.00	
Nickel	PASS	< MRL	5.0	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: #118426 Date Tested: 07/01/2025 04:29 AM		

Microbiology - Plating: JPPDIF-0825-002 (20250626-EMNY-021)					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	None	100	
Total Yeast & Mold	PASS	182	None	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: #118432 Date Tested: 07/01/2025 01:04 PM		

Moisture Content: JPPDIF-0825-002 (20250626-EMNY-021)				PASS
Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA)				
Analyte	Pass/Fail	Result (%)	Limit (%)	
Moisture	PASS	7.3	15	
MRL = Minimum reporting limit/limit of quantification			Test ID: #118431 Date Tested: 07/01/2025 08:16 AM	



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Water Activity: JPPDIF-0825-002 (20250626-EMNY-021)			PASS
Water activity analysis utilizing a chilled mirror dew point sensor (SOP-059-GA)			
Analyte	Pass/Fail	Result (a _w)	Limit (a _w)
Water Activity	PASS	0.54	0.65
MRL = Minimum reporting limit/limit of quantification		Test ID: #118433 Date Tested: 07/01/2025 08:16 AM	

Filt and Foreign Material: JPPDIF-0825-002 (20250626-EMNY-021)			PASS
Filt and Foreign Material analysis utilizing microscopy (SOP-057-NY)			
Analyte	Results	Limit	Pass/Fail
Foreign Material (other, % m/m)	ND	2	PASS
Foreign Material (stems, % m/m)	ND	5	PASS
Mammalian Excreta (mg/lb)	ND	1	PASS
ND = Not Detected		Test ID: #118427 Date Tested: 07/01/2025 08:16 AM	



Matthew Elmes
Lab Director
7/2/2025



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