

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:	6/14/2025	Sample ID:	20250605-EMNY-007
Client Name:	Empire Standard LLC	Sample Name:	JPBB5-0725-001
Sampling Location:	Binghamton, New York	Sample Matrix:	Flower
Contact Name:	Empire Standard LLC	Sample Sub Type:	Infused Pre-Roll
Contact Email:	info@empirestandardny.com	Package ID:	JPBB5-0725-001
License Number:	OCM-PROC-24-000202	Batch Lot ID:	JPBB5-0725-001
Medical/Adult Use:	Adult Use	Batch Size:	3200
Sampling Date:	06/05/2025 10:00:00 AM	Serving Size (g):	2.5

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

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

Cannabinoids: JPBB5-0725-001 (20250605-EMNY-007)

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

Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.150
CBDA	< MRL	< MRL	0.150
CBGA	0.438	10.961	0.150
CBG	< MRL	< MRL	0.150
CBD	< MRL	< MRL	0.150
THCV	< MRL	< MRL	0.150
CBN	< MRL	< MRL	0.150
D9-THC	3.672	91.794	0.150
D8-THC	< MRL	< MRL	0.150
D10-THC-S	< MRL	< MRL	0.150
D10-THC-R	< MRL	< MRL	0.150
CBC	< MRL	< MRL	0.150
THCA	43.862	1096.550	0.150

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: #113561 | Date Tested: 06/14/2025 05:10 AM

Potency Summary	% w/w	mg/serving
Total THC [$\Delta 8$ -THC + $\Delta 9$ -THC + $\Delta 10$ -THC + (THCA * 0.877)]	42.139	1053.468
Total CBD [CBD + (CBDA * 0.877)]	< MRL	< MRL
Total Cannabinoids	47.972	1199.305



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Terpenes: JPBB5-0725-001 (20250605-EMNY-007)

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

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	< MRL	0.03
Camphene	< MRL	0.03
Sabinene	< MRL	0.03
beta-Pinene	< MRL	0.03
beta-Myrcene	< MRL	0.03
Alpha-phellandrene	< MRL	0.03
Carene	< MRL	0.03
alpha-terpinene	< MRL	0.03
p-Cymene	< MRL	0.03
Limonene	< MRL	0.03
Eucalyptol	< MRL	0.03
Ocimene	< MRL	0.02
gamma-Terpinene	< MRL	0.03
Sabinene Hydrate	< MRL	0.03
Terpinolene	< MRL	0.03
Linalool	< MRL	0.03
Fenchol	< MRL	0.03
Menthol	< MRL	0.03
Terpineol	< MRL	0.03
Citronellol	< MRL	0.03
Isopulegol	< MRL	0.03
Geraniol	< MRL	0.03
Alpha-cedrene	< MRL	0.03
Beta-Caryophyllene	0.22	0.03
Farnesene	< MRL	0.03
alpha-Humulene	0.09	0.03
Valencene	0.03	0.03
cis-Nerolidol	< MRL	0.01
trans-Nerolidol	< MRL	0.02
Caryophyllene oxide	0.04	0.03
Guaiol	< MRL	0.03
alpha-Bisabolol	< MRL	0.03

MRL = Minimum reporting limit/limit of quantification

Test ID: #113566 | Date Tested: 06/13/2025 12:32 PM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	0.38	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. 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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Residual Solvents: JPBB5-0725-001 (20250605-EMNY-007)

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	4.982
2-Propanol	PASS	< MRL	5000	746.387
Acetone	PASS	< MRL	5000	1535.615
Acetonitrile	PASS	< MRL	410	61.204
Butanes, total	PASS	< MRL	5000	746.387
Benzene	PASS	< MRL	2	0.996
Chloroform	PASS	< MRL	60	8.957
Dichloromethane	PASS	< MRL	600	89.566
Dimethyl Sulfoxide	PASS	< MRL	5000	1343.495
Ethanol	PASS	< MRL	5000	746.387
Ethyl acetate	PASS	< MRL	5000	746.387
Ethyl ether	PASS	< MRL	5000	746.387
n-Heptane	PASS	< MRL	5000	746.387
Hexanes, total	PASS	< MRL	290	43.290
Methanol	PASS	< MRL	3000	447.833
Pentanes, total	PASS	< MRL	5000	746.387
Propane	PASS	< MRL	5000	746.387
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	483.658
Toluene	PASS	< MRL	890	132.857
Trichloroethane	PASS	< MRL	1500	1343.495
Xylenes, total	PASS	< MRL	2170	323.933

MRL = Minimum reporting limit/limit of quantification

Test ID: #113564 | Date Tested: 06/12/2025 06:12 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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Laboratory determined measurement uncertainty is available by request.

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Pesticides: JPBB5-0725-001 (20250605-EMNY-007)

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: #113565 | Date Tested: 06/10/2025 10:25 AM



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Mycotoxins: JPBB5-0725-001 (20250605-EMNY-007)				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: #113562 Date Tested: 06/10/2025 10:26 AM	

Heavy Metals: JPBB5-0725-001 (20250605-EMNY-007)				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	1.146	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: #113563 Date Tested: 06/13/2025 05:00 AM	

Microbiology - Plating: JPBB5-0725-001 (20250605-EMNY-007)				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	18909	None	100
Total Yeast & Mold	PASS	1500	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: #113568 Date Tested: 06/11/2025 04:42 AM	

Moisture Content: JPBB5-0725-001 (20250605-EMNY-007)				PASS
Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA)				
Analyte	Pass/Fail	Result (%)	Limit (%)	
Moisture	PASS	5.8	15	
MRL = Minimum reporting limit/limit of quantification			Test ID: #113567 Date Tested: 06/11/2025 03:51 AM	



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Water Activity: JPBB5-0725-001 (20250605-EMNY-007)

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	0.50	0.65

MRL = Minimum reporting limit/limit of quantification

Test ID: #113569 | Date Tested: 06/11/2025 03:51 AM



Matthew Elmes
Lab Director
6/14/2025



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