

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

Sample Result: PASS

Date Reported:	8/12/2024	Sample ID:	20240807-EMNY-015
Client Name:	Empire Standard LLC	Sample Name:	JBBM-1024-002
Sampling Location:	Binghamton, New York	Sample Matrix:	Flower
Contact Name:	Frank D	Sample Sub Type:	Infused Pre-Roll
Contact Email:	frank@empirestandardnyc.com	Package ID:	JBBM-1024-002
License Number:	OCM-AUCP-22-000038	Batch Lot ID:	JBBM-1024-002
Medical/Adult Use:	Adult Use	Batch Size:	1600
Sampling Date:	08/07/2024 01:00:00 PM	Serving Size (g):	0.5

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: JBBM-1024-002 (20240807-EMNY-015)

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

Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.087
CBDA	< MRL	< MRL	0.087
CBGA	0.598	2.989	0.087
CBG	0.208	1.038	0.087
CBD	< MRL	< MRL	0.087
THCV	< MRL	< MRL	0.087
CBN	< MRL	< MRL	0.087
D9-THC	6.728	33.640	0.087
D8-THC	< MRL	< MRL	0.087
D10-THC-S	< MRL	< MRL	0.087
D10-THC-R	< MRL	< MRL	0.087
CBC	< MRL	< MRL	0.087
THCA	31.832	159.162	0.087

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: #70040 | Date Tested: 08/08/2024 03:42 PM

Potency Summary	% w/w	mg/serving
Total THC [$\Delta 8$ -THC + $\Delta 9$ -THC + $\Delta 10$ -THC + (THCA * 0.877)]	34.645	173.225
Total CBD [CBD + (CBDA * 0.877)]	< MRL	< MRL
Total Cannabinoids	39.366	196.829



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Terpenes: JBBM-1024-002 (20240807-EMNY-015)

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	0.13	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	0.20	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	< MRL	0.09
Beta-Caryophyllene	0.34	0.11
Farnesene	< MRL	0.11
alpha-Humulene	0.17	0.11
Valencene	< MRL	0.11
cis-Nerolidol	< MRL	0.05
trans-Nerolidol	< MRL	0.07
Caryophyllene oxide	< MRL	0.11
Guaiol	< MRL	0.11
alpha-Bisabolol	< MRL	0.11

MRL = Minimum reporting limit/limit of quantification

Test ID: #70048 | Date Tested: 08/10/2024 03:16 PM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	0.84	10	PASS



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Residual Solvents: JBBM-1024-002 (20240807-EMNY-015)

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	3.621
2-Propanol	PASS	< MRL	5000	542.465
Acetone	PASS	< MRL	5000	108.493
Acetonitrile	PASS	< MRL	410	44.482
Butanes, total	PASS	< MRL	5000	542.465
Benzene	PASS	< MRL	2	0.724
Chloroform	PASS	< MRL	60	6.510
Dichloromethane	PASS	< MRL	600	65.096
Dimethyl Sulfoxide	PASS	< MRL	5000	976.437
Ethanol	PASS	< MRL	5000	542.465
Ethyl acetate	PASS	< MRL	5000	542.465
Ethyl ether	PASS	< MRL	5000	542.465
n-Heptane	PASS	< MRL	5000	542.465
Hexanes, total	PASS	< MRL	290	31.463
Methanol	PASS	< MRL	3000	325.480
Pentanes, total	PASS	< MRL	5000	542.465
Propane	PASS	< MRL	5000	542.465
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	351.517
Toluene	PASS	< MRL	890	96.559
Trichloroethane	PASS	< MRL	1500	976.437
Xylenes, total	PASS	< MRL	2170	235.431

MRL = Minimum reporting limit/limit of quantification

Test ID: #70047 | Date Tested: 08/10/2024 01:57 PM



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Pesticides: JBBM-1024-002 (20240807-EMNY-015)

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	0.099
Acephate	PASS	< MRL	0.40	0.099
Acequinocyl	PASS	< MRL	2.00	0.099
Acetamiprid	PASS	< MRL	0.20	0.099
Aldicarb	PASS	< MRL	0.40	0.099
Azadirachtin	PASS	0.70	1.00	0.247
Azoxystrobin	PASS	< MRL	0.20	0.099
Bifenazate	PASS	< MRL	0.20	0.099
Bifenthrin	PASS	< MRL	0.20	0.099
Boscalid	PASS	< MRL	0.40	0.099
Captan	PASS	< MRL	1.00	0.494
Carbaryl	PASS	< MRL	0.20	0.099
Carbofuran	PASS	< MRL	0.20	0.099
Chlorantranilprole	PASS	< MRL	0.20	0.099
Chlordane	PASS	< MRL	1.00	0.247
Chlorfenapyr	PASS	< MRL	1.00	0.049
Chlormequat chloride	PASS	< MRL	1.00	0.099
Chlorpyrifos	PASS	< MRL	0.20	0.099
Clofentezine	PASS	< MRL	0.20	0.099
Coumaphos	PASS	< MRL	1.00	0.099
Cyfluthrin	PASS	< MRL	1.00	0.099
Cypermethrin	PASS	< MRL	1.00	0.099
Daminozide	PASS	< MRL	1.00	0.099
Diazinon	PASS	< MRL	0.20	0.099
Dichlorvos	PASS	< MRL	1.00	0.099
Dimethoate	PASS	< MRL	0.20	0.099
Dimethomorph	PASS	< MRL	1.00	0.099
Ethoprophos	PASS	< MRL	0.20	0.099
Etofenprox	PASS	< MRL	0.40	0.099
Etoxazole	PASS	< MRL	0.20	0.099
Fenhexamid	PASS	< MRL	1.00	0.099
Fenoxycarb	PASS	< MRL	0.20	0.099
Fenpyroximate	PASS	< MRL	0.40	0.099
Fipronil	PASS	< MRL	0.40	0.099
Flonicamid	PASS	< MRL	1.00	0.099
Fludioxonil	PASS	< MRL	0.40	0.099
Hexythiazox	PASS	< MRL	1.00	0.099
Imazalil	PASS	< MRL	0.20	0.099
Imidacloprid	PASS	< MRL	0.40	0.099
Indole-3-butyric acid	PASS	< MRL	1.00	0.247
Kresoxim-methyl	PASS	< MRL	0.40	0.099
Malathion	PASS	< MRL	0.20	0.099
Metalaxyl	PASS	< MRL	0.20	0.099
Methiocarb	PASS	< MRL	0.20	0.099
Methomyl	PASS	< MRL	0.40	0.099
Methyl Parathion	PASS	< MRL	0.20	0.049
Mevinphos	PASS	< MRL	1.00	0.099
MGK-264 I/II	PASS	< MRL	0.20	0.099
Myclobutanil	PASS	< MRL	0.20	0.099
Naled	PASS	< MRL	0.50	0.099
Oxamyl	PASS	< MRL	1.00	0.099
Paclobutrazol	PASS	< MRL	0.40	0.099
Pentachloronitrobenzene	PASS	< MRL	1.00	0.247
Permethrins, total	PASS	< MRL	0.20	0.099
Phosmet	PASS	< MRL	0.20	0.099
Piperonyl butoxide	PASS	< MRL	2.00	0.099
Prallethrin	PASS	< MRL	0.20	0.099
Propiconazole	PASS	< MRL	0.40	0.099
Propoxur	PASS	< MRL	0.20	0.099
Pyrethrins	PASS	< MRL	1.00	0.099
Pyridaben	PASS	< MRL	0.20	0.099
Spinetoram, Total	PASS	< MRL	1.00	0.099
Spinosad, Total	PASS	< MRL	0.20	0.099
Spiromesifen	PASS	< MRL	0.20	0.099
Spirotetramat	PASS	< MRL	0.20	0.099
Spiroxamine	PASS	< MRL	0.20	0.099
Tebuconazole	PASS	< MRL	0.40	0.099
Thiacloprid	PASS	< MRL	0.20	0.099
Thiamethoxam	PASS	< MRL	0.20	0.099
Trifloxystrobin	PASS	< MRL	0.20	0.099

MRL = Minimum reporting limit/limit of quantification

Test ID: #70046 | Date Tested: 08/12/2024 09:54 AM



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Mycotoxins: JBBM-1024-002 (20240807-EMNY-015)					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: #70045 Date Tested: 08/10/2024 10:09 AM		

Heavy Metals: JBBM-1024-002 (20240807-EMNY-015)					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: #70042 Date Tested: 08/09/2024 11:33 AM		

Microbiological Screen: JBBM-1024-002 (20240807-EMNY-015)					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	1050	None	100	
Total Yeast & Mold	PASS	400	None	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: #70043 Date Tested: 08/10/2024 03:29 PM		

Moisture: JBBM-1024-002 (20240807-EMNY-015)					PASS
Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA)					
Analyte	Pass/Fail	Result (%)	Limit (%)		
Moisture	PASS	7.0	15		
MRL = Minimum reporting limit/limit of quantification			Test ID: #70044 Date Tested: 08/08/2024 03:41 PM		

Water Activity: JBBM-1024-002 (20240807-EMNY-015)					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	0.56	0.65		
MRL = Minimum reporting limit/limit of quantification			Test ID: #70049 Date Tested: 08/08/2024 03:41 PM		



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Filth and Foreign Material: JBBM-1024-002 (20240807-EMNY-015)

PASS

Filth 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: #70041 | Date Tested: 08/08/2024 03:42 PM



Matthew Elmes
Lab Director
8/12/2024

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

