

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-017
Client Name:	Empire Standard LLC	Sample Name:	JBBM-1024-004
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-1024-004
License Number:	OCM-AUCP-22-000038	Batch Lot ID:	JBBM-1024-004
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-1024-004 (20240807-EMNY-017)

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

Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.080
CBDA	< MRL	< MRL	0.080
CBGA	0.597	2.983	0.080
CBG	0.216	1.081	0.080
CBD	< MRL	< MRL	0.080
THCV	< MRL	< MRL	0.080
CBN	< MRL	< MRL	0.080
D9-THC	6.477	32.387	0.080
D8-THC	< MRL	< MRL	0.080
D10-THC-S	< MRL	< MRL	0.080
D10-THC-R	< MRL	< MRL	0.080
CBC	< MRL	< MRL	0.080
THCA	33.200	166.001	0.080

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: #70060 | Date Tested: 08/09/2024 07:30 AM

Potency Summary	% w/w	mg/serving
Total THC [Δ^8 -THC + Δ^9 -THC + Δ^{10} -THC + (THCA * 0.877)]	35.594	177.970
Total CBD [CBD + (CBDA * 0.877)]	< MRL	< MRL
Total Cannabinoids	40.490	202.452



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Terpenes: JBBM-1024-004 (20240807-EMNY-017)

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

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	< MRL	0.10
Camphene	< MRL	0.10
Sabinene	< MRL	0.10
beta-Pinene	< MRL	0.10
beta-Myrcene	< MRL	0.10
Alpha-phellandrene	< MRL	0.10
Carene	< MRL	0.10
alpha-terpinene	< MRL	0.10
p-Cymene	< MRL	0.10
Limonene	0.15	0.10
Eucalyptol	< MRL	0.10
Ocimene	< MRL	0.07
gamma-Terpinene	< MRL	0.10
Sabinene Hydrate	< MRL	0.10
Terpinolene	< MRL	0.10
Linalool	0.22	0.10
Fenchol	< MRL	0.10
Menthol	< MRL	0.10
Terpineol	< MRL	0.10
Citronellol	< MRL	0.10
Isopulegol	< MRL	0.10
Geraniol	< MRL	0.10
Alpha-cedrene	0.08	0.08
Beta-Caryophyllene	0.39	0.10
Farnesene	< MRL	0.10
alpha-Humulene	0.20	0.10
Valencene	< MRL	0.10
cis-Nerolidol	< MRL	0.04
trans-Nerolidol	< MRL	0.06
Caryophyllene oxide	< MRL	0.10
Guaial	< MRL	0.10
alpha-Bisabolol	< MRL	0.10

MRL = Minimum reporting limit/limit of quantification

Test ID: #70068 | Date Tested: 08/10/2024 03:16 PM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	1.04	10	PASS



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Residual Solvents: JBBM-1024-004 (20240807-EMNY-017)

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	4.170
2-Propanol	PASS	< MRL	5000	624.745
Acetone	PASS	< MRL	5000	124.949
Acetonitrile	PASS	< MRL	410	51.229
Butanes, total	PASS	< MRL	5000	624.745
Benzene	PASS	< MRL	2	0.834
Chloroform	PASS	< MRL	60	7.497
Dichloromethane	PASS	< MRL	600	74.969
Dimethyl Sulfoxide	PASS	< MRL	5000	1124.541
Ethanol	PASS	< MRL	5000	624.745
Ethyl acetate	PASS	< MRL	5000	624.745
Ethyl ether	PASS	< MRL	5000	624.745
n-Heptane	PASS	< MRL	5000	624.745
Hexanes, total	PASS	< MRL	290	36.235
Methanol	PASS	< MRL	3000	374.848
Pentanes, total	PASS	< MRL	5000	624.745
Propane	PASS	< MRL	5000	624.745
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	404.835
Toluene	PASS	< MRL	890	111.205
Trichloroethane	PASS	< MRL	1500	1124.541
Xylenes, total	PASS	< MRL	2170	271.140

MRL = Minimum reporting limit/limit of quantification

Test ID: #70067 | Date Tested: 08/10/2024 01:57 PM



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Pesticides: JBBM-1024-004 (20240807-EMNY-017)

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	0.097
Acephate	PASS	< MRL	0.40	0.097
Acequinocyl	PASS	< MRL	2.00	0.097
Acetamiprid	PASS	< MRL	0.20	0.097
Aldicarb	PASS	< MRL	0.40	0.097
Azadirachtin	PASS	0.69	1.00	0.244
Azoxystrobin	PASS	< MRL	0.20	0.097
Bifenazate	PASS	< MRL	0.20	0.097
Bifenthrin	PASS	< MRL	0.20	0.097
Boscalid	PASS	< MRL	0.40	0.097
Captan	PASS	< MRL	1.00	0.487
Carbaryl	PASS	< MRL	0.20	0.097
Carbofuran	PASS	< MRL	0.20	0.097
Chlorantranilprole	PASS	< MRL	0.20	0.097
Chlordane	PASS	< MRL	1.00	0.244
Chlorfenapyr	PASS	< MRL	1.00	0.049
Chlormequat chloride	PASS	< MRL	1.00	0.097
Chlorpyrifos	PASS	< MRL	0.20	0.097
Clofentezine	PASS	< MRL	0.20	0.097
Coumaphos	PASS	< MRL	1.00	0.097
Cyfluthrin	PASS	< MRL	1.00	0.097
Cypermethrin	PASS	< MRL	1.00	0.097
Daminozide	PASS	< MRL	1.00	0.097
Diazinon	PASS	< MRL	0.20	0.097
Dichlorvos	PASS	< MRL	1.00	0.097
Dimethoate	PASS	< MRL	0.20	0.097
Dimethomorph	PASS	< MRL	1.00	0.097
Ethoprophos	PASS	< MRL	0.20	0.097
Etofenprox	PASS	< MRL	0.40	0.097
Etoxazole	PASS	< MRL	0.20	0.097
Fenhexamid	PASS	< MRL	1.00	0.097
Fenoxycarb	PASS	< MRL	0.20	0.097
Fenpyroximate	PASS	< MRL	0.40	0.097
Fipronil	PASS	< MRL	0.40	0.097
Flonicamid	PASS	< MRL	1.00	0.097
Fludioxonil	PASS	< MRL	0.40	0.097
Hexythiazox	PASS	< MRL	1.00	0.097
Imazalil	PASS	< MRL	0.20	0.097
Imidacloprid	PASS	< MRL	0.40	0.097
Indole-3-butyric acid	PASS	< MRL	1.00	0.244
Kresoxim-methyl	PASS	< MRL	0.40	0.097
Malathion	PASS	< MRL	0.20	0.097
Metalaxyl	PASS	< MRL	0.20	0.097
Methiocarb	PASS	< MRL	0.20	0.097
Methomyl	PASS	< MRL	0.40	0.097
Methyl Parathion	PASS	< MRL	0.20	0.049
Mevinphos	PASS	< MRL	1.00	0.097
MGK-264 I/II	PASS	< MRL	0.20	0.097
Myclobutanil	PASS	< MRL	0.20	0.097
Naled	PASS	< MRL	0.50	0.097
Oxamyl	PASS	< MRL	1.00	0.097
Paclobutrazol	PASS	< MRL	0.40	0.097
Pentachloronitrobenzene	PASS	< MRL	1.00	0.244
Permethrins, total	PASS	< MRL	0.20	0.097
Phosmet	PASS	< MRL	0.20	0.097
Piperonyl butoxide	PASS	< MRL	2.00	0.097
Prallethrin	PASS	< MRL	0.20	0.097
Propiconazole	PASS	< MRL	0.40	0.097
Propoxur	PASS	< MRL	0.20	0.097
Pyrethrins	PASS	< MRL	1.00	0.097
Pyridaben	PASS	< MRL	0.20	0.097
Spinetoram, Total	PASS	< MRL	1.00	0.097
Spinosad, Total	PASS	< MRL	0.20	0.097
Spiromesifen	PASS	< MRL	0.20	0.097
Spirotetramat	PASS	< MRL	0.20	0.097
Spiroxamine	PASS	< MRL	0.20	0.097
Tebuconazole	PASS	< MRL	0.40	0.097
Thiacloprid	PASS	< MRL	0.20	0.097
Thiamethoxam	PASS	< MRL	0.20	0.097
Trifloxystrobin	PASS	< MRL	0.20	0.097

MRL = Minimum reporting limit/limit of quantification

Test ID: #70066 | Date Tested: 08/12/2024 09:54 AM



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Mycotoxins: JBBM-1024-004 (20240807-EMNY-017)					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: #70065 Date Tested: 08/10/2024 10:09 AM		

Heavy Metals: JBBM-1024-004 (20240807-EMNY-017)					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: #70062 Date Tested: 08/09/2024 11:33 AM		

Microbiological Screen: JBBM-1024-004 (20240807-EMNY-017)					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	1150	None	100	
Total Yeast & Mold	PASS	< MRL	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: #70063 Date Tested: 08/11/2024 04:24 PM		

Moisture: JBBM-1024-004 (20240807-EMNY-017)					PASS
Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA)					
Analyte	Pass/Fail	Result (%)	Limit (%)		
Moisture	PASS	6.8	15		
MRL = Minimum reporting limit/limit of quantification			Test ID: #70064 Date Tested: 08/08/2024 03:41 PM		

Water Activity: JBBM-1024-004 (20240807-EMNY-017)					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	0.55	0.65		
MRL = Minimum reporting limit/limit of quantification			Test ID: #70069 Date Tested: 08/08/2024 03:41 PM		



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Filth and Foreign Material: JBBM-1024-004 (20240807-EMNY-017)

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: #70061 | 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.

