

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-037
Client Name:	Empire Standard LLC	Sample Name:	FJM-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:	FJM-1024-002
License Number:	OCM-AUCP-22-000038	Batch Lot ID:	FJM-1024-002
Medical/Adult Use:	Adult Use	Batch Size:	1600
Sampling Date:	08/07/2024 01:00:00 PM	Serving Size (g):	0.6

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: FJM-1024-002 (20240807-EMNY-037)

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	1.274	7.642	0.087
CBG	0.239	1.434	0.087
CBD	< MRL	< MRL	0.087
THCV	< MRL	< MRL	0.087
CBN	< MRL	< MRL	0.087
D9-THC	5.246	31.473	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	31.401	188.406	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: #70250 | 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))]	32.784	196.706
Total CBD [CBD + (CBDA * 0.877)]	< MRL	< MRL
Total Cannabinoids	38.160	228.955



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Terpenes: FJM-1024-002 (20240807-EMNY-037)

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

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	< MRL	0.12
Camphene	< MRL	0.12
Sabinene	< MRL	0.12
beta-Pinene	< MRL	0.12
beta-Myrcene	< MRL	0.12
Alpha-phellandrene	< MRL	0.12
Carene	< MRL	0.12
alpha-terpinene	< MRL	0.12
p-Cymene	< MRL	0.12
Limonene	< MRL	0.12
Eucalyptol	< MRL	0.12
Ocimene	< MRL	0.08
gamma-Terpinene	< MRL	0.12
Sabinene Hydrate	< MRL	0.12
Terpinolene	< MRL	0.12
Linalool	0.17	0.12
Fenchol	< MRL	0.12
Menthol	< MRL	0.12
Terpineol	< MRL	0.12
Citronellol	< MRL	0.12
Isopulegol	< MRL	0.12
Geraniol	< MRL	0.12
Alpha-cedrene	< MRL	0.09
Beta-Caryophyllene	0.43	0.12
Farnesene	< MRL	0.12
alpha-Humulene	0.23	0.12
Valencene	< MRL	0.12
cis-Nerolidol	< MRL	0.05
trans-Nerolidol	< MRL	0.07
Caryophyllene oxide	< MRL	0.12
Guaiol	< MRL	0.12
alpha-Bisabolol	< MRL	0.12

MRL = Minimum reporting limit/limit of quantification

Test ID: #70258 | Date Tested: 08/10/2024 03:16 PM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	0.83	10	PASS



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Residual Solvents: FJM-1024-002 (20240807-EMNY-037)

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	4.778
2-Propanol	PASS	< MRL	5000	715.847
Acetone	PASS	< MRL	5000	143.169
Acetonitrile	PASS	< MRL	410	58.699
Butanes, total	PASS	< MRL	5000	715.847
Benzene	PASS	< MRL	2	0.956
Chloroform	PASS	< MRL	60	8.590
Dichloromethane	PASS	< MRL	600	85.902
Dimethyl Sulfoxide	PASS	< MRL	5000	1288.524
Ethanol	PASS	< MRL	5000	715.847
Ethyl acetate	PASS	< MRL	5000	715.847
Ethyl ether	PASS	< MRL	5000	715.847
n-Heptane	PASS	< MRL	5000	715.847
Hexanes, total	PASS	< MRL	290	41.519
Methanol	PASS	< MRL	3000	429.509
Pentanes, total	PASS	< MRL	5000	715.847
Propane	PASS	< MRL	5000	715.847
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	463.869
Toluene	PASS	< MRL	890	127.421
Trichloroethane	PASS	< MRL	1500	1288.524
Xylenes, total	PASS	< MRL	2170	310.679

MRL = Minimum reporting limit/limit of quantification

Test ID: #70257 | Date Tested: 08/10/2024 01:57 PM



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Pesticides: FJM-1024-002 (20240807-EMNY-037)

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	0.106
Acephate	PASS	< MRL	0.40	0.106
Acequinocyl	PASS	< MRL	2.00	0.106
Acetamiprid	PASS	< MRL	0.20	0.106
Aldicarb	PASS	< MRL	0.40	0.106
Azadirachtin	PASS	0.97	1.00	0.266
Azoxystrobin	PASS	< MRL	0.20	0.106
Bifenazate	PASS	< MRL	0.20	0.106
Bifenthrin	PASS	< MRL	0.20	0.106
Boscalid	PASS	< MRL	0.40	0.106
Captan	PASS	< MRL	1.00	0.532
Carbaryl	PASS	< MRL	0.20	0.106
Carbofuran	PASS	< MRL	0.20	0.106
Chlorantranilprole	PASS	< MRL	0.20	0.106
Chlordane	PASS	< MRL	1.00	0.266
Chlorfenapyr	PASS	< MRL	1.00	0.053
Chlormequat chloride	PASS	< MRL	1.00	0.106
Chlorpyrifos	PASS	< MRL	0.20	0.106
Clofentezine	PASS	< MRL	0.20	0.106
Coumaphos	PASS	< MRL	1.00	0.106
Cyfluthrin	PASS	< MRL	1.00	0.106
Cypermethrin	PASS	< MRL	1.00	0.106
Daminozide	PASS	< MRL	1.00	0.106
Diazinon	PASS	< MRL	0.20	0.106
Dichlorvos	PASS	< MRL	1.00	0.106
Dimethoate	PASS	< MRL	0.20	0.106
Dimethomorph	PASS	< MRL	1.00	0.106
Ethoprophos	PASS	< MRL	0.20	0.106
Etofenprox	PASS	< MRL	0.40	0.106
Etoxazole	PASS	< MRL	0.20	0.106
Fenhexamid	PASS	< MRL	1.00	0.106
Fenoxycarb	PASS	< MRL	0.20	0.106
Fenpyroximate	PASS	< MRL	0.40	0.106
Fipronil	PASS	< MRL	0.40	0.106
Flonicamid	PASS	< MRL	1.00	0.106
Fludioxonil	PASS	< MRL	0.40	0.106
Hexythiazox	PASS	< MRL	1.00	0.106
Imazalil	PASS	< MRL	0.20	0.106
Imidacloprid	PASS	< MRL	0.40	0.106
Indole-3-butyric acid	PASS	< MRL	1.00	0.266
Kresoxim-methyl	PASS	< MRL	0.40	0.106
Malathion	PASS	< MRL	0.20	0.106
Metalaxyl	PASS	< MRL	0.20	0.106
Methiocarb	PASS	< MRL	0.20	0.106
Methomyl	PASS	< MRL	0.40	0.106
Methyl Parathion	PASS	< MRL	0.20	0.053
Mevinphos	PASS	< MRL	1.00	0.106
MGK-264 I/II	PASS	< MRL	0.20	0.106
Myclobutanil	PASS	< MRL	0.20	0.106
Naled	PASS	< MRL	0.50	0.106
Oxamyl	PASS	< MRL	1.00	0.106
Paclobutrazol	PASS	< MRL	0.40	0.106
Pentachloronitrobenzene	PASS	< MRL	1.00	0.266
Permethrins, total	PASS	< MRL	0.20	0.106
Phosmet	PASS	< MRL	0.20	0.106
Piperonyl butoxide	PASS	< MRL	2.00	0.106
Prallethrin	PASS	< MRL	0.20	0.106
Propiconazole	PASS	< MRL	0.40	0.106
Propoxur	PASS	< MRL	0.20	0.106
Pyrethrins	PASS	< MRL	1.00	0.106
Pyridaben	PASS	< MRL	0.20	0.106
Spinetoram, Total	PASS	< MRL	1.00	0.106
Spinosad, Total	PASS	< MRL	0.20	0.106
Spiromesifen	PASS	< MRL	0.20	0.106
Spirotetramat	PASS	< MRL	0.20	0.106
Spiroxamine	PASS	< MRL	0.20	0.106
Tebuconazole	PASS	< MRL	0.40	0.106
Thiacloprid	PASS	< MRL	0.20	0.106
Thiamethoxam	PASS	< MRL	0.20	0.106
Trifloxystrobin	PASS	< MRL	0.20	0.106

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Test ID: #70256 | Date Tested: 08/12/2024 09:54 AM



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Mycotoxins: FJM-1024-002 (20240807-EMNY-037)

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: #70255 | Date Tested: 08/10/2024 10:09 AM

Heavy Metals: FJM-1024-002 (20240807-EMNY-037)

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: #70252 | Date Tested: 08/09/2024 11:33 AM

Microbiological Screen: FJM-1024-002 (20240807-EMNY-037)

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	81000	None	100
Total Yeast & Mold	PASS	300	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: #70253 | Date Tested: 08/10/2024 03:29 PM

Moisture: FJM-1024-002 (20240807-EMNY-037)

PASS

Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA)

Analyte	Pass/Fail	Result (%)	Limit (%)
Moisture	PASS	8.4	15

MRL = Minimum reporting limit/limit of quantification

Test ID: #70254 | Date Tested: 08/08/2024 03:41 PM

Water Activity: FJM-1024-002 (20240807-EMNY-037)

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	0.48	0.65

MRL = Minimum reporting limit/limit of quantification

Test ID: #70259 | Date Tested: 08/08/2024 03:41 PM



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Filth and Foreign Material: FJM-1024-002 (20240807-EMNY-037)

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: #70251 | 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.

