

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

<b>Date Reported:</b>	8/12/2024	<b>Sample ID:</b>	20240807-EMNY-032
<b>Client Name:</b>	Empire Standard LLC	<b>Sample Name:</b>	FJ3-1024-003
<b>Sampling Location:</b>	Binghamton, New York	<b>Sample Matrix:</b>	Flower
<b>Contact Name:</b>	Frank D	<b>Sample Sub Type:</b>	Infused Pre-Roll
<b>Contact Email:</b>	frank@empirestandardnyc.com	<b>Package ID:</b>	FJ3-1024-003
<b>License Number:</b>	OCM-AUCP-22-000038	<b>Batch Lot ID:</b>	FJ3-1024-003
<b>Medical/Adult Use:</b>	Adult Use	<b>Batch Size:</b>	2000
<b>Sampling Date:</b>	08/07/2024 01:00:00 PM	<b>Serving Size (g):</b>	3

<b>Potency</b>	<b>T</b>	<b>Pesticides</b>	<b>P</b>	<b>Heavy Metals</b>	<b>P</b>	<b>Mycotoxins</b>	<b>P</b>
<b>Water Activity</b>	<b>P</b>	<b>Microbiological</b>	<b>P</b>	<b>Residual Solvents</b>	<b>P</b>	<b>Terpenes</b>	<b>P</b>
		<b>Moisture</b>	<b>P</b>	<b>Filth &amp; Foreign Material</b>	<b>P</b>		

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

### Cannabinoids: FJ3-1024-003 (20240807-EMNY-032)

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

Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.082
CBDA	< MRL	< MRL	0.082
CBGA	1.228	36.832	0.082
CBG	0.248	7.454	0.082
CBD	< MRL	< MRL	0.082
THCV	< MRL	< MRL	0.082
CBN	< MRL	< MRL	0.082
D9-THC	5.407	162.213	0.082
D8-THC	< MRL	< MRL	0.082
D10-THC-S	< MRL	< MRL	0.082
D10-THC-R	< MRL	< MRL	0.082
CBC	< MRL	< MRL	0.082
THCA	31.827	954.825	0.082

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: #70200 | Date Tested: 08/08/2024 03:42 PM

Potency Summary	% w/w	mg/serving
<b>Total THC</b> [ $\Delta 8$ -THC + $\Delta 9$ -THC + ( $\Delta 10$ -THC * 0.877) ]	33.320	999.595
<b>Total CBD</b> [ CBD + (CBDA * 0.877) ]	< MRL	< MRL
<b>Total Cannabinoids</b>	38.710	1161.324



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### Terpenes: FJ3-1024-003 (20240807-EMNY-032)

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	0.12	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	0.13	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	0.09	0.09
Beta-Caryophyllene	0.44	0.11
Farnesene	< MRL	0.11
alpha-Humulene	0.22	0.11
Valencene	< MRL	0.11
cis-Nerolidol	< MRL	0.04
trans-Nerolidol	< MRL	0.06
Caryophyllene oxide	< MRL	0.11
Guaiol	< MRL	0.11
alpha-Bisabolol	< MRL	0.11

MRL = Minimum reporting limit/limit of quantification

Test ID: #70208 | Date Tested: 08/10/2024 03:16 PM

Terpenes Summary	Result	Limit	Pass/Fail
<b>Total Terpenes (% w/w)</b>	1.00	10	PASS



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### Residual Solvents: FJ3-1024-003 (20240807-EMNY-032)

**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	4.432
2-Propanol	PASS	< MRL	5000	664.091
Acetone	PASS	< MRL	5000	132.818
Acetonitrile	PASS	< MRL	410	54.455
Butanes, total	PASS	< MRL	5000	664.091
Benzene	PASS	< MRL	2	0.886
Chloroform	PASS	< MRL	60	7.969
Dichloromethane	PASS	< MRL	600	79.691
Dimethyl Sulfoxide	PASS	< MRL	5000	1195.364
Ethanol	PASS	< MRL	5000	664.091
Ethyl acetate	PASS	< MRL	5000	664.091
Ethyl ether	PASS	< MRL	5000	664.091
n-Heptane	PASS	< MRL	5000	664.091
Hexanes, total	PASS	< MRL	290	38.517
Methanol	PASS	< MRL	3000	398.455
Pentanes, total	PASS	< MRL	5000	664.091
Propane	PASS	< MRL	5000	664.091
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	430.331
Toluene	PASS	< MRL	890	118.208
Trichloroethane	PASS	< MRL	1500	1195.364
Xylenes, total	PASS	< MRL	2170	288.217

MRL = Minimum reporting limit/limit of quantification

Test ID: #70207 | Date Tested: 08/10/2024 01:57 PM



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### Pesticides: FJ3-1024-003 (20240807-EMNY-032)

**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	0.90	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	0.495
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: #70206 | Date Tested: 08/12/2024 09:54 AM



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### Mycotoxins: FJ3-1024-003 (20240807-EMNY-032)

**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: #70205 | Date Tested: 08/10/2024 10:09 AM

### Heavy Metals: FJ3-1024-003 (20240807-EMNY-032)

**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: #70202 | Date Tested: 08/09/2024 11:33 AM

### Microbiological Screen: FJ3-1024-003 (20240807-EMNY-032)

**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	87000	None	100
Total Yeast & Mold	PASS	500	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: #70203 | Date Tested: 08/10/2024 03:29 PM

### Moisture: FJ3-1024-003 (20240807-EMNY-032)

**PASS**

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

Analyte	Pass/Fail	Result (%)	Limit (%)
Moisture	PASS	8.9	15

MRL = Minimum reporting limit/limit of quantification

Test ID: #70204 | Date Tested: 08/08/2024 03:41 PM

### Water Activity: FJ3-1024-003 (20240807-EMNY-032)

**PASS**

Water activity analysis utilizing a chilled mirror dew point sensor (SOP-059-GA)

Analyte	Pass/Fail	Result (a <sub>w</sub> )	Limit (a <sub>w</sub> )
Water Activity	PASS	0.51	0.65

MRL = Minimum reporting limit/limit of quantification

Test ID: #70209 | Date Tested: 08/08/2024 03:41 PM



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### Filth and Foreign Material: FJ3-1024-003 (20240807-EMNY-032)

**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: #70201 | 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.

