

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-027
<b>Client Name:</b>	Empire Standard LLC	<b>Sample Name:</b>	FJ1-1024-004
<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>	FJ1-1024-004
<b>License Number:</b>	OCM-AUCP-22-000038	<b>Batch Lot ID:</b>	FJ1-1024-004
<b>Medical/Adult Use:</b>	Adult Use	<b>Batch Size:</b>	1200
<b>Sampling Date:</b>	08/07/2024 01:00:00 PM	<b>Serving Size (g):</b>	1

<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: FJ1-1024-004 (20240807-EMNY-027)

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

Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.084
CBDA	< MRL	< MRL	0.084
CBGA	0.821	8.207	0.084
CBG	0.252	2.516	0.084
CBD	< MRL	< MRL	0.084
THCV	< MRL	< MRL	0.084
CBN	< MRL	< MRL	0.084
D9-THC	6.792	67.916	0.084
D8-THC	< MRL	< MRL	0.084
D10-THC-S	< MRL	< MRL	0.084
D10-THC-R	< MRL	< MRL	0.084
CBC	< MRL	< MRL	0.084
THCA	33.005	330.051	0.084

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: #70160 | 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 + (THCA * 0.877) ]	35.737	357.370
<b>Total CBD</b> [ CBD + (CBDA * 0.877) ]	< MRL	< MRL
<b>Total Cannabinoids</b>	40.870	408.690



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### Terpenes: FJ1-1024-004 (20240807-EMNY-027)

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	< MRL	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	0.17	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	0.09	0.08
Beta-Caryophyllene	0.43	0.10
Farnesene	< MRL	0.10
alpha-Humulene	0.23	0.10
Valencene	0.48	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

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Terpenes Summary	Result	Limit	Pass/Fail
<b>Total Terpenes (% w/w)</b>	1.40	10	PASS



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### Residual Solvents: FJ1-1024-004 (20240807-EMNY-027)

**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	4.485
2-Propanol	PASS	< MRL	5000	671.941
Acetone	PASS	< MRL	5000	134.388
Acetonitrile	PASS	< MRL	410	55.099
Butanes, total	PASS	< MRL	5000	671.941
Benzene	PASS	< MRL	2	0.897
Chloroform	PASS	< MRL	60	8.063
Dichloromethane	PASS	< MRL	600	80.633
Dimethyl Sulfoxide	PASS	< MRL	5000	1209.493
Ethanol	PASS	< MRL	5000	671.941
Ethyl acetate	PASS	< MRL	5000	671.941
Ethyl ether	PASS	< MRL	5000	671.941
n-Heptane	PASS	< MRL	5000	671.941
Hexanes, total	PASS	< MRL	290	38.973
Methanol	PASS	< MRL	3000	403.165
Pentanes, total	PASS	< MRL	5000	671.941
Propane	PASS	< MRL	5000	671.941
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	435.418
Toluene	PASS	< MRL	890	119.605
Trichloroethane	PASS	< MRL	1500	1209.493
Xylenes, total	PASS	< MRL	2170	291.623

MRL = Minimum reporting limit/limit of quantification

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**Pesticides: FJ1-1024-004 (20240807-EMNY-027)**

**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: #70166 | Date Tested: 08/10/2024 10:08 AM



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Mycotoxins: FJ1-1024-004 (20240807-EMNY-027)					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: #70165   Date Tested: 08/10/2024 10:09 AM		

Heavy Metals: FJ1-1024-004 (20240807-EMNY-027)					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: #70162   Date Tested: 08/09/2024 11:33 AM		

Microbiological Screen: FJ1-1024-004 (20240807-EMNY-027)					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	27000	None	100	
Total Yeast & Mold	PASS	100	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: #70163   Date Tested: 08/10/2024 03:29 PM		

Moisture: FJ1-1024-004 (20240807-EMNY-027)					PASS
Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA)					
Analyte	Pass/Fail	Result (%)	Limit (%)		
Moisture	PASS	6.6	15		
MRL = Minimum reporting limit/limit of quantification			Test ID: #70164   Date Tested: 08/08/2024 03:41 PM		

Water Activity: FJ1-1024-004 (20240807-EMNY-027)					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: #70169   Date Tested: 08/08/2024 03:41 PM		



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**Filth and Foreign Material: FJ1-1024-004 (20240807-EMNY-027)****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: #70161 | 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.

