

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

Sample Result: PASS

Date Reported:	12/2/2024	Sample ID:	20241126-EMNY-010
Client Name:	Empire Standard LLC	Sample Name:	FJ3-0125-004
Sampling Location:	Binghamton, New York	Sample Matrix:	Flower
Contact Name:	Empire Standard LLC	Sample Sub Type:	Infused pre-roll
Contact Email:	info@empirestandardny.com	Package ID:	FJ3-0125-004
License Number:	OCM-PROC-24-000202	Batch Lot ID:	FJ3-0125-004
Medical/Adult Use:	Adult Use	Batch Size:	3270
Sampling Date:	11/26/2024 01:56:00 PM	Serving Size (g):	3

Potency	T	Pesticides	P	Heavy Metals	P	Mycotoxins	P
Water Activity	P	Microbiological	P	Residual Solvents	P	Terpenes	P
		Moisture	P	Filth & Foreign Material	-		

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

Cannabinoids: FJ3-0125-004 (20241126-EMNY-010)

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

Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.300
CBDA	< MRL	< MRL	0.300
CBGA	0.459	13.776	0.300
CBG	0.380	11.393	0.300
CBD	< MRL	< MRL	0.300
THCV	< MRL	< MRL	0.300
CBN	< MRL	< MRL	0.300
D9-THC	6.017	180.501	0.300
D8-THC	< MRL	< MRL	0.300
D10-THC-S	< MRL	< MRL	0.300
D10-THC-R	< MRL	< MRL	0.300
CBC	< MRL	< MRL	0.300
THCA	42.962	1288.868	0.300

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: #85363 | Date Tested: 12/01/2024 11:42 AM

Potency Summary	% w/w	mg/serving
Total THC [$\Delta 8$ -THC + $\Delta 9$ -THC + $\Delta 10$ -THC + (THCA * 0.877)]	43.695	1310.838
Total CBD [CBD + (CBDA * 0.877)]	< MRL	< MRL
Total Cannabinoids	49.818	1494.538



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Terpenes: FJ3-0125-004 (20241126-EMNY-010)

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

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	< MRL	0.09
Camphene	< MRL	0.09
Sabinene	< MRL	0.09
beta-Pinene	< MRL	0.09
beta-Myrcene	< MRL	0.09
Alpha-phellandrene	< MRL	0.09
Carene	< MRL	0.09
alpha-terpinene	< MRL	0.09
p-Cymene	< MRL	0.09
Limonene	0.25	0.09
Eucalyptol	< MRL	0.09
Ocimene	< MRL	0.07
gamma-Terpinene	< MRL	0.09
Sabinene Hydrate	< MRL	0.09
Terpinolene	< MRL	0.09
Linalool	0.24	0.09
Fenchol	< MRL	0.09
Menthol	< MRL	0.09
Terpineol	< MRL	0.09
Citronellol	< MRL	0.09
Isopulegol	< MRL	0.09
Geraniol	< MRL	0.09
Alpha-cedrene	0.12	0.07
Beta-Caryophyllene	0.68	0.09
Farnesene	< MRL	0.09
alpha-Humulene	0.35	0.09
Valencene	< MRL	0.09
cis-Nerolidol	< MRL	0.04
trans-Nerolidol	0.08	0.05
Caryophyllene oxide	< MRL	0.09
Guaial	< MRL	0.09
alpha-Bisabolol	< MRL	0.09

MRL = Minimum reporting limit/limit of quantification

Test ID: #85370 | Date Tested: 11/29/2024 02:47 PM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	1.72	10	PASS



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Residual Solvents: FJ3-0125-004 (20241126-EMNY-010)

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	4.000
2-Propanol	PASS	< MRL	5000	599.245
Acetone	PASS	< MRL	5000	119.849
Acetonitrile	PASS	< MRL	410	49.138
Butanes, total	PASS	< MRL	5000	599.245
Benzene	PASS	< MRL	2	0.800
Chloroform	PASS	< MRL	60	7.191
Dichloromethane	PASS	< MRL	600	71.909
Dimethyl Sulfoxide	PASS	< MRL	5000	1078.641
Ethanol	PASS	< MRL	5000	599.245
Ethyl acetate	PASS	< MRL	5000	599.245
Ethyl ether	PASS	< MRL	5000	599.245
n-Heptane	PASS	< MRL	5000	599.245
Hexanes, total	PASS	< MRL	290	34.756
Methanol	PASS	< MRL	3000	359.548
Pentanes, total	PASS	< MRL	5000	599.245
Propane	PASS	< MRL	5000	599.245
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	388.311
Toluene	PASS	< MRL	890	106.665
Trichloroethane	PASS	< MRL	1500	1078.641
Xylenes, total	PASS	< MRL	2170	260.073

MRL = Minimum reporting limit/limit of quantification

Test ID: #85369 | Date Tested: 12/01/2024 11:36 AM



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Pesticides: FJ3-0125-004 (20241126-EMNY-010)

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: #85368 | Date Tested: 12/01/2024 11:42 AM



Results pertain to the sample received according to sampling procedures SOP-050-NY & SOP-065-NY and relate only to items tested. Action limits are set according to the New York State Office of Cannabis Management Testing Limits. A sample is deemed acceptable when all analyte values are within those state determined limits. Laboratory determined measurement uncertainty is available by request.

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Mycotoxins: FJ3-0125-004 (20241126-EMNY-010)

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: #85367 | Date Tested: 12/01/2024 11:42 AM

Heavy Metals: FJ3-0125-004 (20241126-EMNY-010)

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	0.2	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: #85364 | Date Tested: 12/02/2024 11:09 AM

Microbiological Screen: FJ3-0125-004 (20241126-EMNY-010)

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	5636	None	100
Total Yeast & Mold	PASS	1400	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: #85365 | Date Tested: 12/02/2024 09:23 AM

Moisture Content: FJ3-0125-004 (20241126-EMNY-010)

PASS

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

Analyte	Pass/Fail	Result (%)	Limit (%)
Moisture	PASS	8.1	15

MRL = Minimum reporting limit/limit of quantification

Test ID: #85366 | Date Tested: 11/28/2024 11:00 AM

Water Activity: FJ3-0125-004 (20241126-EMNY-010)

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	0.27	0.65

MRL = Minimum reporting limit/limit of quantification

Test ID: #85371 | Date Tested: 11/28/2024 11:00 AM





Certificate of Analysis

Full Compliance Test

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A handwritten signature in black ink that reads "Matthew Elmes".

Matthew Elmes
Lab Director
12/2/2024



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