

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-023
Client Name:	Empire Standard LLC	Sample Name:	JBB1-1024-005
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:	JBB1-1024-005
License Number:	OCM-AUCP-22-000038	Batch Lot ID:	JBB1-1024-005
Medical/Adult Use:	Adult Use	Batch Size:	1600
Sampling Date:	08/07/2024 01:00:00 PM	Serving Size (g):	1

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: JBB1-1024-005 (20240807-EMNY-023)

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

Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.083
CBDA	< MRL	< MRL	0.083
CBGA	0.907	9.072	0.083
CBG	0.297	2.971	0.083
CBD	< MRL	< MRL	0.083
THCV	< MRL	< MRL	0.083
CBN	< MRL	< MRL	0.083
D9-THC	6.274	62.736	0.083
D8-THC	< MRL	< MRL	0.083
D10-THC-S	< MRL	< MRL	0.083
D10-THC-R	< MRL	< MRL	0.083
CBC	0.122	1.219	0.083
THCA	40.447	404.474	0.083

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: #70120 | 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)]	41.746	417.460
Total CBD [CBD + (CBDA * 0.877)]	< MRL	< MRL
Total Cannabinoids	48.047	480.472



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Terpenes: JBB1-1024-005 (20240807-EMNY-023)

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	0.13	0.10
Fenchol	< MRL	0.10
Menthol	< MRL	0.10
Terpineol	0.10	0.10
Citronellol	< MRL	0.10
Isopulegol	< MRL	0.10
Geraniol	< MRL	0.10
Alpha-cedrene	0.08	0.08
Beta-Caryophyllene	0.38	0.10
Farnesene	< MRL	0.10
alpha-Humulene	0.18	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

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Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	0.87	10	PASS



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Residual Solvents: JBB1-1024-005 (20240807-EMNY-023)

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	4.406
2-Propanol	PASS	< MRL	5000	660.155
Acetone	PASS	< MRL	5000	132.031
Acetonitrile	PASS	< MRL	410	54.133
Butanes, total	PASS	< MRL	5000	660.155
Benzene	PASS	< MRL	2	0.881
Chloroform	PASS	< MRL	60	7.922
Dichloromethane	PASS	< MRL	600	79.218
Dimethyl Sulfoxide	PASS	< MRL	5000	1188.278
Ethanol	PASS	< MRL	5000	660.155
Ethyl acetate	PASS	< MRL	5000	660.155
Ethyl ether	PASS	< MRL	5000	660.155
n-Heptane	PASS	< MRL	5000	660.155
Hexanes, total	PASS	< MRL	290	38.289
Methanol	PASS	< MRL	3000	396.094
Pentanes, total	PASS	< MRL	5000	660.155
Propane	PASS	< MRL	5000	660.155
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	427.780
Toluene	PASS	< MRL	890	117.507
Trichloroethane	PASS	< MRL	1500	1188.278
Xylenes, total	PASS	< MRL	2170	286.508

MRL = Minimum reporting limit/limit of quantification

Test ID: #70127 | Date Tested: 08/10/2024 01:57 PM



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Pesticides: JBB1-1024-005 (20240807-EMNY-023)

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: #70126 | Date Tested: 08/10/2024 10:08 AM



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Mycotoxins: JBB1-1024-005 (20240807-EMNY-023)					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: #70125 Date Tested: 08/10/2024 10:09 AM		

Heavy Metals: JBB1-1024-005 (20240807-EMNY-023)					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: #70122 Date Tested: 08/09/2024 11:33 AM		

Microbiological Screen: JBB1-1024-005 (20240807-EMNY-023)					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	11100	None	100	
Total Yeast & Mold	PASS	800	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: #70123 Date Tested: 08/10/2024 03:29 PM		

Moisture: JBB1-1024-005 (20240807-EMNY-023)					PASS
Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA)					
Analyte	Pass/Fail	Result (%)	Limit (%)		
Moisture	PASS	6.2	15		
MRL = Minimum reporting limit/limit of quantification			Test ID: #70124 Date Tested: 08/08/2024 03:41 PM		

Water Activity: JBB1-1024-005 (20240807-EMNY-023)					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	0.53	0.65		
MRL = Minimum reporting limit/limit of quantification			Test ID: #70129 Date Tested: 08/08/2024 03:41 PM		



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Filth and Foreign Material: JBB1-1024-005 (20240807-EMNY-023)

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: #70121 | 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.

