

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:	12/27/2024	Sample ID:	20241219-EMNY-006
Client Name:	Empire Standard LLC	Sample Name:	UB14-0125-001-1
Sampling Location:	Binghamton, New York	Sample Matrix:	Flower
Contact Name:	Empire Standard LLC	Sample Sub Type:	Flower
Contact Email:	info@empirestandardny.com	Package ID:	UB14-0125-001-1
License Number:	OCM-PROC-24-000202	Batch Lot ID:	UB14-0125-001-1
Medical/Adult Use:	Adult Use	Batch Size:	1208
Sampling Date:	12/19/2024 11:30:00 AM	Serving Size (g):	14

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

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

Cannabinoids: UB14-0125-001-1 (20241219-EMNY-006)

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

Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.250
CBDA	< MRL	< MRL	0.250
CBGA	< MRL	< MRL	0.250
CBG	< MRL	< MRL	0.250
CBD	< MRL	< MRL	0.250
THCV	< MRL	< MRL	0.250
CBN	< MRL	< MRL	0.250
D9-THC	2.789	390.434	0.250
D8-THC	< MRL	< MRL	0.250
D10-THC-S	< MRL	< MRL	0.250
D10-THC-R	< MRL	< MRL	0.250
CBC	< MRL	< MRL	0.250
THCA	22.637	3169.225	0.250

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: #88579 | Date Tested: 12/24/2024 11:30 AM

Potency Summary	% w/w	mg/serving
Total THC [$\Delta 8$ -THC + $\Delta 9$ -THC + $\Delta 10$ -THC + (THCA * 0.877)]	22.642	3169.844
Total CBD [CBD + (CBDA * 0.877)]	< MRL	< MRL
Total Cannabinoids	25.426	3559.659



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Terpenes: UB14-0125-001-1 (20241219-EMNY-006)

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

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	< MRL	0.05
Camphene	< MRL	0.05
Sabinene	< MRL	0.05
beta-Pinene	< MRL	0.05
beta-Myrcene	0.06	0.05
Alpha-phellandrene	< MRL	0.05
Carene	< MRL	0.05
alpha-terpinene	< MRL	0.05
p-Cymene	< MRL	0.05
Limonene	0.27	0.05
Eucalyptol	< MRL	0.05
Ocimene	< MRL	0.04
gamma-Terpinene	< MRL	0.05
Sabinene Hydrate	< MRL	0.05
Terpinolene	< MRL	0.05
Linalool	0.09	0.05
Fenchol	< MRL	0.05
Menthol	< MRL	0.05
Terpineol	< MRL	0.05
Citronellol	< MRL	0.05
Isopulegol	< MRL	0.05
Geraniol	< MRL	0.05
Alpha-cedrene	0.09	0.04
Beta-Caryophyllene	0.45	0.05
Farnesene	< MRL	0.05
alpha-Humulene	0.19	0.05
Valencene	< MRL	0.05
cis-Nerolidol	< MRL	0.02
trans-Nerolidol	< MRL	0.03
Caryophyllene oxide	< MRL	0.05
Guaiol	< MRL	0.05
alpha-Bisabolol	< MRL	0.05

MRL = Minimum reporting limit/limit of quantification

Test ID: #88586 | Date Tested: 12/26/2024 11:03 AM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	1.15	10	PASS



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Pesticides: UB14-0125-001-1 (20241219-EMNY-006)

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	0.005
Acephate	PASS	< MRL	0.40	0.005
Acequinocyl	PASS	< MRL	2.00	0.005
Acetamiprid	PASS	< MRL	0.20	0.005
Aldicarb	PASS	< MRL	0.40	0.005
Azadirachtin	PASS	< MRL	1.00	0.013
Azoxystrobin	PASS	< MRL	0.20	0.005
Bifenazate	PASS	< MRL	0.20	0.005
Bifenthrin	PASS	< MRL	0.20	0.005
Boscalid	PASS	< MRL	0.40	0.005
Captan	PASS	< MRL	1.00	0.025
Carbaryl	PASS	< MRL	0.20	0.005
Carbofuran	PASS	< MRL	0.20	0.005
Chlorantranilprole	PASS	< MRL	0.20	0.005
Chlordane	PASS	< MRL	1.00	0.013
Chlorfenapyr	PASS	< MRL	1.00	0.003
Chlormequat chloride	PASS	< MRL	1.00	0.005
Chlorpyrifos	PASS	< MRL	0.20	0.005
Clofentezine	PASS	< MRL	0.20	0.005
Coumaphos	PASS	< MRL	1.00	0.005
Cyfluthrin	PASS	< MRL	1.00	0.005
Cypermethrin	PASS	< MRL	1.00	0.005
Daminozide	PASS	< MRL	1.00	0.005
Diazinon	PASS	< MRL	0.20	0.005
Dichlorvos	PASS	< MRL	1.00	0.005
Dimethoate	PASS	< MRL	0.20	0.005
Dimethomorph	PASS	< MRL	1.00	0.005
Ethoprophos	PASS	< MRL	0.20	0.005
Etofenprox	PASS	< MRL	0.40	0.005
Etoxazole	PASS	< MRL	0.20	0.005
Fenhexamid	PASS	< MRL	1.00	0.005
Fenoxycarb	PASS	< MRL	0.20	0.005
Fenpyroximate	PASS	< MRL	0.40	0.005
Fipronil	PASS	< MRL	0.40	0.005
Flonicamid	PASS	< MRL	1.00	0.005
Fludioxonil	PASS	< MRL	0.40	0.005
Hexythiazox	PASS	< MRL	1.00	0.005
Imazalil	PASS	< MRL	0.20	0.005
Imidacloprid	PASS	< MRL	0.40	0.005
Indole-3-butyric acid	PASS	< MRL	1.00	0.013
Kresoxim-methyl	PASS	< MRL	0.40	0.005
Malathion	PASS	< MRL	0.20	0.005
Metalaxyl	PASS	< MRL	0.20	0.005
Methiocarb	PASS	< MRL	0.20	0.005
Methomyl	PASS	< MRL	0.40	0.005
Methyl Parathion	PASS	< MRL	0.20	0.003
Mevinphos	PASS	< MRL	1.00	0.005
MGK-264 I/II	PASS	< MRL	0.20	0.005
Myclobutanil	PASS	< MRL	0.20	0.005
Naled	PASS	< MRL	0.50	0.005
Oxamyl	PASS	< MRL	1.00	0.005
Paclobutrazol	PASS	< MRL	0.40	0.005
Pentachloronitrobenzene	PASS	< MRL	1.00	0.013
Permethrins, total	PASS	< MRL	0.20	0.005
Phosmet	PASS	< MRL	0.20	0.005
Piperonyl butoxide	PASS	< MRL	2.00	0.005
Prallethrin	PASS	< MRL	0.20	0.005
Propiconazole	PASS	< MRL	0.40	0.005
Propoxur	PASS	< MRL	0.20	0.005
Pyrethrins	PASS	< MRL	1.00	0.005
Pyridaben	PASS	< MRL	0.20	0.005
Spinetoram, Total	PASS	< MRL	1.00	0.005
Spinosad, Total	PASS	< MRL	0.20	0.005
Spiromesifen	PASS	< MRL	0.20	0.005
Spirotetramat	PASS	< MRL	0.20	0.005
Spiroxamine	PASS	< MRL	0.20	0.005
Tebuconazole	PASS	< MRL	0.40	0.005
Thiacloprid	PASS	< MRL	0.20	0.005
Thiamethoxam	PASS	< MRL	0.20	0.005
Trifloxystrobin	PASS	< MRL	0.20	0.005

MRL = Minimum reporting limit/limit of quantification

Test ID: #88585 | Date Tested: 12/26/2024 11:03 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: UB14-0125-001-1 (20241219-EMNY-006)					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: #88584 Date Tested: 12/26/2024 11:03 AM		

Heavy Metals: UB14-0125-001-1 (20241219-EMNY-006)					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	5.0	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: #88581 Date Tested: 12/24/2024 08:22 AM		

Microbiological Screen: UB14-0125-001-1 (20241219-EMNY-006)					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	1000	None	100	
Total Yeast & Mold	PASS	2000	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: #88582 Date Tested: 12/23/2024 08:13 AM		

Moisture Content: UB14-0125-001-1 (20241219-EMNY-006)					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: #88583 Date Tested: 12/23/2024 08:02 AM		

Water Activity: UB14-0125-001-1 (20241219-EMNY-006)					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	0.33	0.65		
MRL = Minimum reporting limit/limit of quantification			Test ID: #88587 Date Tested: 12/23/2024 08:02 AM		



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Filth and Foreign Material: UB14-0125-001-1 (20241219-EMNY-006)**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: #88580 | Date Tested: 12/23/2024 08:11 AM



Matthew Elmes
Lab Director
12/27/2024

