



Certificate of Analysis

Sample: 2310ACTNY3352.8297

Kimberly Krisolofsky

11/02/2023

Kimberly Krisolofsky
Lead Technical Director

Date

Waterman's Greenhouse, LLC

 12317 Vaughn Street
 East Concord, NY 14055
 watermansflowers@gmail.com
 (716) 592-9186


Sample: 2310ACTNY3352.8297

 Strain: Emerald Fire
 Batch#: 1260 8706 6075 3087; Batch Size: 4000 units
 Sample Received: 10/18/2023 09:46
 Report Created: 11/02/2023 08:47 pm
 Sampling SOP 204-NY

Emerald Fire

Plant, Preroll



	179.53 mg/dose Total THC	<LOQ Total CBD	184.00 mg/dose Total Cannabinoids
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Cannabinoids

 Method SOP 801-NY
 Date/Time Tested: 10/27/2023 20:39

Complete

Analyte	LOQ				%
	ug/mL	mg/g	mg/dose		
CBDV	0.50	ND	ND	ND	ND
CBDa	0.50	ND	ND	ND	ND
CBGa	0.50	5.09	5.09	5.09	0.51
CBG	0.50	ND	ND	ND	ND
CBD	0.50	ND	ND	ND	ND
THCV	0.50	ND	ND	ND	ND
CBN	0.50	ND	ND	ND	ND
CBNa	0.50	ND	ND	ND	ND
Δ9-THC	0.50	9.66	9.66	9.66	0.97
Δ8-THC	0.50	ND	ND	ND	ND
(6aR,9S)-d10-THC	0.50	ND	ND	ND	ND
(6aR,9R)-d10-THC	0.50	ND	ND	ND	ND
CBC	0.50	ND	ND	ND	ND
THCa	0.50	193.70	193.70	193.70	19.37
Total		208.45	208.45	208.45	20.85

Notes:

 Total THC = THCa * 0.877 + Δ8-THC + Δ9-THC + (6aR,9S)-d10-THC + (6aR,9R)-d10-THC
 Total CBD = CBDa * 0.877 + CBD
 Total Cannabinoids = Sum of all cannabinoids
 LOQ = Limit of Quantitation; Reported results for bulk flower and plant forms are calculated on a dry weight basis. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

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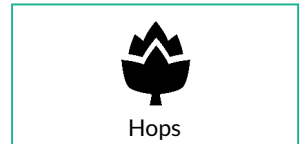
Terpenes

 ♦SOP 620-NY
 Date/Time Tested: 10/30/2023 17:53

Pass

Primary Aromas

Analyte	LOQ	Mass
	ug/mL	%
trans-Caryophyllene	4.0	0.288
β-Myrcene	4.0	0.257
Linalool	4.0	0.113
α-Humulene	4.0	0.098
S (-) Limonene	4.0	0.095
α-Cedrene	4.0	0.055
trans-Nerolidol	4.0	0.052
Cedrol	4.0	0.027
Caryophyllene Oxide	4.0	0.026
α-Bisabolol	4.0	0.025
α-Terpineol	4.0	0.021
Fenchol	4.0	0.019
β-Pinene	4.0	0.016
Geranyl Acetate	4.0	0.011
α-Phellandrene	4.0	ND
α-Pinene	4.0	<LOQ
α-Terpinene	4.0	ND
Borneol	4.0	<LOQ
Camphene	4.0	ND
Camphor	4.0	ND
cis-Nerolidol	4.0	<LOQ
δ-3-Carene	4.0	ND
Eucalyptol	4.0	ND
Fenchone	4.0	ND
γ-Terpinene	4.0	ND
Geraniol	4.0	ND
Guaiol	4.0	ND
Isoborneol	4.0	ND
Isopulegol	4.0	ND
Menthol	4.0	ND
Nerol	4.0	ND
Ocimene	4.0	ND
Pulegone	4.0	ND
p-Cymene	4.0	ND
Sabinene	4.0	ND
Sabinene Hydrate	4.0	ND
Terpinolene	4.0	ND
Valencene	4.0	<LOQ



1.10%
Total Terpenes

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 Sampling SOP 204-NY

Emerald Fire

Plant, Preroll



Pesticides

 SOP 814-NY
 Date/Time Tested: 10/27/2023 14:58

Pass

Analyte	Limit	LOQ	Mass	Status
	µg/g	µg/g	µg/g	
Abamectin	0.50	0.39	ND	Pass
Acephate	0.40	0.10	ND	Pass
Acequinocyl	2.00	0.10	ND	Pass
Acetamiprid	0.20	0.10	ND	Pass
Aldicarb	0.40	0.10	ND	Pass
Azadirachtin	1.00	0.08	ND	Pass
Azoxystrobin	0.20	0.10	ND	Pass
Bifenazate	0.20	0.10	ND	Pass
Bifenthrin	0.20	0.10	<LOQ	Pass
Boscalid	0.40	0.10	ND	Pass
Captan	1.00		TIC	Pass
Carbaryl	0.20	0.10	ND	Pass
Carbofuran	0.20	0.10	ND	Pass
Chlorantraniliprole	0.20	0.10	ND	Pass
Chlordane	1.00	0.10	ND	Pass
Chlorfenapyr	1.00	0.10	<LOQ	Pass
Chloromequat chloride	1.00		TIC	Pass
Chlorpyrifos	0.20	0.10	ND	Pass
Clofentezine	0.20	0.10	ND	Pass
Coumaphos	1.00	0.10	ND	Pass
Cyfluthrin	1.00	0.50	ND	Pass
Cypermethrin	1.00	0.10	ND	Pass
Daminozide	1.00	0.10	ND	Pass
Diazinon	0.20	0.10	ND	Pass
Dichlorvos	1.00	0.10	ND	Pass

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Plant, Preroll



Pesticides

 SOP 814-NY
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Pass

Analyte	Limit	LOQ	Mass	Status
	µg/g	µg/g	µg/g	
Dimethoate	0.20	0.10	ND	Pass
Dimethomorph	1.00	0.10	ND	Pass
Ethoprophos	0.20	0.10	ND	Pass
Etofenprox	0.40	0.10	ND	Pass
Etoazole	0.20	0.10	ND	Pass
Fenhexamid	1.00	0.10	ND	Pass
Fenoxycarb	0.20	0.10	ND	Pass
Fenpyroximate	0.40	0.10	ND	Pass
Fipronil	0.40	0.10	ND	Pass
Flonicamid	1.00	0.10	ND	Pass
Fludioxonil	0.40	0.10	ND	Pass
Hexythiazox	1.00	0.10	ND	Pass
Imazalil	0.20	0.10	ND	Pass
Imidacloprid	0.40	0.10	ND	Pass
Indolebutyric Acid	1.00	0.08	ND	Pass
Kresoxim Methyl	0.40	0.10	ND	Pass
Malathion	0.20	0.10	ND	Pass
Metalaxyl	0.20	0.10	ND	Pass
Methiocarb	0.20	0.10	ND	Pass
Methomyl	0.40	0.10	ND	Pass
Methyl Parathion	0.20	0.10	ND	Pass
Mevinphos	1.00	0.10	ND	Pass
MGK-264	0.20		TIC	Pass
Myclobutanil	0.20	0.10	ND	Pass
Naled	0.50	0.10	ND	Pass

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Pesticides

 SOP 814-NY
 Date/Time Tested: 10/27/2023 14:58

Pass

Analyte	Limit	LOQ	Mass	Status
	µg/g	µg/g	µg/g	
Oxamyl	1.00	0.10	ND	Pass
Paclobutrazol	0.40	0.10	ND	Pass
Pentachloronitrobenzene	1.00	0.10	ND	Pass
Permethrins [M+NH4] Total	0.20	0.10	ND	Pass
Phosmet	0.20	0.10	ND	Pass
Piperonyl Butoxide	2.00	0.10	ND	Pass
Prallethrin	0.20	0.10	ND	Pass
Propiconazole	0.40	0.10	ND	Pass
Propoxur	0.20	0.10	ND	Pass
Pyrethrins Total	1.00	0.07	ND	Pass
Pyridaben	0.20	0.10	ND	Pass
Spinetoram Total	1.00	0.10	ND	Pass
Spinosad Total	0.20	0.10	ND	Pass
Spiromesifen	0.20	0.10	ND	Pass
Spirotetramat	0.20	0.10	ND	Pass
Spiroxamine	0.20	0.10	ND	Pass
Tebuconazole	0.40	0.10	ND	Pass
Thiacloprid	0.20	0.10	ND	Pass
Thiamethoxam	0.20	0.10	ND	Pass
Trifloxystrobin	0.20	0.10	ND	Pass

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Emerald Fire

Plant, Preroll



Microbials

Date/Time Tested: 10/28/2023 15:20

♦SOP 401-NY ♦SOP 619-NY

Analyte	Limit	Units	Status
Total Viable Aerobic Bacteria (3M)	CFU/g	CFU/g	Tested
Total Yeast & Mold (3M)		615836	Tested
STEC E. Coli (PDx)	Absent	166178	Pass
Aspergillus Species (PDx)	Absent	Absent	Pass
Salmonella Species (PDx)	Absent	Absent	Pass

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Emerald Fire

Plant, Preroll



Heavy Metals

 SOP 250-NY
 Date/Time Tested: 10/27/2023 10:15

Pass

Analyte	Limit	LOQ	Mass	Status
	µg/g	µg/g	µg/g	
Antimony	2.000	0.240	<LOQ	Pass
Arsenic	0.200	0.200	ND	Pass
Cadmium	0.300	0.200	<LOQ	Pass
Chromium	110.000	0.240	<LOQ	Pass
Copper	30.000	0.240	9.526	Pass
Lead	0.500	0.240	<LOQ	Pass
Mercury	0.100	0.048	ND	Pass
Nickel	2.000	0.240	<LOQ	Pass

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Emerald Fire

Plant, Preroll



Mycotoxins

SOP 303-NY
Date/Time Tested: 10/30/2023 17:02**Pass**

Analyte	Mass	Limit	LOQ	Status
Ochratoxin A	ng/g Absent	ng/g 20	ng/g 2.5	Pass
Total Aflatoxins	Absent	20	2.5	Pass

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Plant, Preroll



Moisture

(SOP 205-NY)
Moisture Date/Time Tested: 10/26/2023 17:08

Pass

11.0%
Moisture



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Water Activity

(SOP 206-NY)
Water Activity Date/Time Tested: 10/31/2023 13:22

Pass

0.59 aw
0.65 Limit
Water Activity



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Emerald Fire

Plant, Preroll



Homogeneity

Date Tested: 11/02/2023, Time of Analysis:
Method SOP 801-NY

Not Tested

Not Tested

Homogeneity



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