



Certificate of Analysis

Sample: 2306ACTNY1682.4982

A handwritten signature in black ink that reads 'Kimberly Krisolofsky'.

Kimberly Krisolofsky
Lead Technical Director

06/21/2023

Date

Empire Hemp Co.

 34 Swan St.
 Batavia, NY 14020
 kevin@empirehempco.com
 (585) 507-8725


Sample: 2306ACTNY1682.4982

 Strain: Sour Apple
 Batch#: 8201 6714 7359 1413; Batch Size: 1000 units
 Sample Received: 06/09/2023 3:45PM
 Report Created: 06/21/2023 09:48 am
 Sampling SOP 204-NY

5-Pack 0.75g Prerolls (3.75g per pack) SOUR APPLE

Plant, Preroll



	<h3>15.4%</h3> <p>Total THC</p>	<h3><LOQ</h3> <p>Total CBD</p>	<h3>15.4%</h3> <p>Total Cannabinoids</p>
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Cannabinoids

 Method SOP 801-NY
 Date/Time Tested: 06/14/2023 13:57

Complete

Analyte	LOQ	Weight %	Mass
	ug/mL	mg/g	%
CBDV	0.5	ND	ND
CBDa	0.5	ND	ND
CBG	0.5	<LOQ	<LOQ
CBD	0.5	ND	ND
THCV	0.5	ND	ND
CBN	0.5	ND	ND
Δ9-THC	0.5	4	0.4
Δ8-THC	0.5	ND	ND
(6aR,9S)-d10-THC	0.5	ND	ND
(6aR,9R)-d10-THC	0.5	ND	ND
CBC	0.5	ND	ND
THCa	0.5	172	17.2
Total		175	17.5

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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Plant, Preroll




Terpenes


♦SOP 620-NY
 Date/Time Tested: 06/14/2023 13:13


Pass


Primary Aromas


Analyte	LOQ	Mass
	ug/mL	%
trans-Caryophyllene	4	0.407
S (-) Limonene	4	0.158
β-Myrcene	4	0.139
α-Humulene	4	0.118
Linalool	4	0.111
α-Cedrene	4	0.046
β-Pinene	4	0.029
trans-Nerolidol	4	0.025
Cedrol	4	0.020
α-Terpineol	4	0.018
Fenchol	4	0.018
α-Bisabolol	4	0.014
Caryophyllene Oxide	4	0.013
α-Pinene	4	0.013
Geranyl Acetate	4	0.010
Terpinolene	4	0.010
α-Phellandrene	4	ND
α-Terpinene	4	ND
Borneol	4	<LOQ
Camphene	4	<LOQ
Camphor	4	ND
cis-Nerolidol	4	<LOQ
δ-3-Carene	4	ND
Eucalyptol	4	ND
Fenchone	4	ND
γ-Terpinene	4	ND
Geraniol	4	ND
Guaiol	4	ND
Isoborneol	4	ND
Isopulegol	4	ND
Menthol	4	ND
Nerol	4	ND
Ocimene	4	ND
Pulegone	4	ND
p-Cymene	4	ND
Sabinene	4	ND
Sabinene Hydrate	4	ND
Valencene	4	<LOQ


 Clove


 Orange


 Hops


 Lavender


 Wood

1.15%
 Total Terpenes

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 Sampling SOP 204-NY

5-Pack 0.75g Prerolls (3.75g per pack) SOUR APPLE

Plant, Preroll



Pesticides

 SOP 814-NY
 Date/Time Tested: 06/14/2023 19:41

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	ND	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	0.16	Pass
Chlormequat 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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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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Plant, Preroll



Pesticides

 SOP 814-NY
 Date/Time Tested: 06/14/2023 19:41

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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Microbials

◆SOP 401-NY ◆SOP 619-NY

Date/Time Tested: 06/15/2023 16:55

Analyte	Limit	Units	Status
Total Viable Aerobic Bacteria (3M)	CFU/g	CFU/g	Tested
Total Yeast & Mold (3M)		6111	Tested
STEC E. Coli (PDx)	Absent	Absent	Pass
Aspergillus Species (PDx)	Absent	Absent	Pass
Salmonella Species (PDx)	Absent	Absent	Pass

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Sampling SOP 204-NY

5-Pack 0.75g Prerolls (3.75g per pack) SOUR APPLE Plant, Preroll



Heavy Metals

SOP 250-NY
Date/Time Tested: 06/14/2023 12:20**Pass**

Analyte	Limit	LOQ	Mass	Status
Antimony	2.000	0.240	ND	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	11.744	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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Mycotoxins

SOP 303-NY
Date/Time Tested: 06/14/2023 15:45**Pass**

Analyte	Mass	Limit	LOQ	Status
Ochratoxin A	ng/g Absent	ng/g 20	ng/g 4.2	Pass
Total Aflatoxins	ng/g Absent	ng/g 20	ng/g 4.2	Pass

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Plant, Preroll



Moisture

(SOP 205-NY)

Moisture Date/Time Tested: 06/15/2023 15:39

Pass

11.1%
Moisture



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5-Pack 0.75g Prerolls (3.75g per pack) SOUR APPLE Plant, Preroll



Water Activity

(SOP 206-NY)
Water Activity Date/Time Tested: 06/20/2023 15:49

Pass

0.49 aw
0.65 Limit
Water Activity



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