



Certificate of Analysis

Sample: 2304ACTNY1134.3584

Kimberly Krisolofsky

05/02/2023

Kimberly Krisolofsky
Lead Technical Director

Date

Empire Hemp Co.

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


Sample: 2304ACTNY1134.3584

 Strain: 3.5g Prepackaged Flower in Tins - Wedding Cake
 Batch#: 4371 3966 5123 3687
 Sample Received: 04/14/2023 12:00
 Report Created: 05/02/2023 09:25 pm
 Sampling SOP 204-NY

3.5g Prepackaged Flower in Tins - Wedding Cake

Plant, Flower - Cured



	<h3>22.277%</h3> <p>Total THC</p>	<h3><LOQ</h3> <p>Total CBD</p>	<h3>22.277%</h3> <p>Total Cannabinoids</p>
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Cannabinoids

 Method SOP 801-NY
 Date/Time Tested: 04/27/2023 18:13

Complete

Analyte	LOQ	Weight %	Mass
	ug/mL	mg/g	%
CBDV	0.5	ND	ND
CBDa	0.5	<LOQ	<LOQ
CBG	0.5	<LOQ	<LOQ
CBD	0.5	ND	ND
THCV	0.5	ND	ND
CBN	0.5	ND	ND
Δ9-THC	0.5	44.37	4.437
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	<LOQ	<LOQ
THCa	0.5	203.42	20.342
Total		247.79	24.779

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.

ND = Not Detected; NT = Not Tested; NR = Not Reported


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Plant, Flower - Cured



Pesticides

 SOP 814-NY
 Date/Time Tested: 04/25/2023 17:29

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		ND	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	ND	Pass
Chloromequat chloride	1.00		ND	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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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
Etoxazole	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		ND	Pass
Myclobutanil	0.20	0.10	ND	Pass
Naled	0.50	0.10	ND	Pass

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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: 04/19/2023 1432

Analyte	Limit	Units	Status
Total Viable Aerobic Bacteria (3M)	CFU/g	CFU/g	2948 Tested
Total Yeast & Mold (3M)			2591 Tested
STEC E. Coli (PDx)	Absent	Absent	Pass
Aspergillus Species (PDx)	Absent	Absent	Pass
Salmonella Species (PDx)	Absent	Absent	Pass

Notes: "The analyte was detected in both the sample and the method blank."

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Heavy Metals

SOP 250-NY
Date/Time Tested: 04/24/2023**Pass**

Analyte	Limit	LOQ	Mass	Status
Antimony	2	0.240	<LOQ	Pass
Arsenic	0.2	0.200	<LOQ	Pass
Cadmium	0.3	0.200	<LOQ	Pass
Chromium	110	0.240	<LOQ	Pass
Copper	30	0.240	1.727	Pass
Lead	0.5	0.240	<LOQ	Pass
Mercury	0.1	0.048	<LOQ	Pass
Nickel	2	0.240	0.321	Pass

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* indicates a subcontracted result. † indicates a result not regulated by OCM. † indicates ISO 17025:2017 accreditation is pending. This product has been tested by ACT Laboratories using valid, ISO 17025:2016 accredited testing methodologies and a quality system as required by state law. Results apply to the sample as received. Values reported relate only to the product tested. ACT Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or nondetected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of ACT Laboratories.

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Sampling SOP 204-NY

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Mycotoxins

SOP 303-NY
Date/Time Tested: 04/24/2023**Pass**

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

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Moisture/Water Activity

♦SOP 205-NY, ♦SOP 206-NY
Moisture Date/Time Tested: 04/25/2023
Water Activity Date/Time Tested: 04/24/2023 11:28

9.9%
Limits: $\geq 5\%$, $\leq 15\%$
Pass
Moisture

0.38 aw
0.65 Limit
Pass
Water Activity

Notes:

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Foreign Matter

♦SOP 203-NY
Date/Time Tested: 04/23/2023
Analyte

Pass

Analyte	Limit (%)	Result (%)	Status
Mammalian Excreta	0.002%	Absent	Pass
Stems \geq 3mm Diameter	5%	0	Pass
Other Foreign Material	2%	0.082	Pass

Notes:

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