



## Certificate of Analysis

Sample: 2312ACTNY3473.9091

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

12/31/2023

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Kimberly Krisolofsky  
Lead Technical Director

---

Date

## Real Life Botanicals

 2069 Elm Street  
 New Woodstock, NY 13122  
 haltonhay@outlook.com  
 (315) 663-7646


**Sample: 2312ACTNY3473.9091**

 Strain: Southern Star  
 Batch#: BATCH2023-CANNAFLOWER-0007; Batch Size: 3600 units  
 Sample Received: 12/19/2023 12:46  
 Report Created: 12/31/2023 12:19 pm  
 Sampling SOP 204-NY

## Blueberry X Irene Ground Flower

Plant, Preroll



	<b>227.10 mg/g</b>  Total THC	<b>&lt;LOQ</b>  Total CBD	<b>238.88 mg/g</b>  Total Cannabinoids
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## Cannabinoids

 Method SOP 801-NY  
 Date/Time Tested: 12/21/2023 13:21

**Complete**

Analyte	LOQ				%
	ug/mL	mg/g	mg/g		
CBDV	0.50	ND	ND	ND	ND
CBDa	0.50	ND	ND	ND	ND
CBGa	0.50	13.44	13.44	13.44	1.34
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	6.39	6.39	6.39	0.64
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	251.66	251.66	251.66	25.17
<b>Total</b>		<b>271.49</b>	<b>271.49</b>	<b>271.49</b>	<b>27.15</b>

**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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Sampling SOP 204-NY

## Blueberry X Irene Ground Flower

Plant, Preroll




### Terpenes


♦SOP 620-NY  
Date/Time Tested: 12/24/2023 17:07

Analyte	LOQ	Mass	Pass
	ug/mL	%	
trans-Caryophyllene	4.0	0.737	
α-Bisabolol	4.0	0.288	
α-Humulene	4.0	0.284	
Farnesene	4.0	0.199	
S (-) Limonene	4.0	0.199	
β-Myrcene	4.0	0.148	
Linalool	4.0	0.061	
β-Pinene	4.0	0.031	
cis-Nerolidol	4.0	0.030	
Cedrol	4.0	0.028	
Caryophyllene Oxide	4.0	0.027	
Fenchol	4.0	0.022	
trans-Nerolidol	4.0	0.018	
α-Terpineol	4.0	0.018	
α-Pinene	4.0	0.015	
α-Cedrene	4.0	0.009	
α-Phellandrene	4.0	ND	
α-Terpinene	4.0	ND	
Borneol	4.0	ND	
Camphene	4.0	ND	
Camphor	4.0	ND	
δ-3-Carene	4.0	ND	
Eucalyptol	4.0	ND	
Fenchone	4.0	ND	
γ-Terpinene	4.0	ND	
Geraniol	4.0	ND	
Geranyl Acetate	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	


### Primary Aromas




Clove




Chamomile



Hops



Magnolia



Orange

**2.11%**

Total Terpenes

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 Sampling SOP 204-NY

## Blueberry X Irene Ground Flower

Plant, Preroll



## Pesticides

 SOP 814-NY  
 Date/Time Tested: 12/26/2023 11:19

## 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	ND	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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 Sampling SOP 204-NY

## Blueberry X Irene Ground Flower

Plant, Preroll



## Pesticides

 SOP 814-NY  
 Date/Time Tested: 12/26/2023 11:19

**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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**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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Plant, Preroll



## Microbials

♦SOP 401-NY    ♦SOP 619-NY

Date/Time Tested: 12/21/2023 11:10

Analyte	LOQ	Limit	Units	Status
Total Viable Aerobic Bacteria (3M)	CFU/g 1000	CFU/g	CFU/g <LOQ	Tested
Total Yeast & Mold (3M)	100		4537	Tested
STEC E. Coli (PDx)		Absent	Absent	Pass
Aspergillus fumigatus		Absent	Absent	Pass
Aspergillus niger		Absent	Absent	Pass
Aspergillus terreus		Absent	Absent	Pass
Aspergillus flavus		Absent	Absent	Pass
Salmonella Species (PDx)		Absent	Absent	Pass

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Plant, Preroll



## Heavy Metals

 SOP 250-NY  
 Date/Time Tested: 12/22/2023 10:22

# Pass

Analyte	Limit	LOQ	Mass	Status
	µg/g	µg/g	µg/g	
Antimony	2.000	0.240	ND	Pass
Arsenic	0.200	0.200	ND	Pass
Cadmium	0.300	0.200	ND	Pass
Chromium	110.000	0.240	<LOQ	Pass
Copper	30.000	0.240	16.445	Pass
Lead	0.500	0.240	<LOQ	Pass
Mercury	0.100	0.048	ND	Pass
Nickel	5.000	0.240	0.254	Pass

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Plant, Preroll



## Mycotoxins

SOP 808-NY  
Date/Time Tested: 12/28/2023 07:35**Pass**

Analyte	Mass	Limit	LOQ	Status
Ochratoxin A	ng/g ND	ng/g 20	ng/g 5.0	Pass
Total Aflatoxins	ND	20	5.0	Pass

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Plant, Preroll



## Moisture

(SOP 205-NY)

Moisture Date/Time Tested: 12/21/2023 10:36

## Pass

**11.1%**  
**Moisture**



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Plant, Preroll



## Water Activity

(SOP 206-NY)

Water Activity Date/Time Tested: 12/26/2023 15:45

# Pass

**0.43 aw**  
*0.65 Limit*  
**Water Activity**



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Plant, Preroll



## Homogeneity

Date Tested: 12/31/2023, Time of Analysis:  
Method SOP 801-NY

## Not Tested

# Not Tested

## Homogeneity