

420

ECNY  
EMERALD CITY NYCannabinoid  
Manufacturer

## Emerald City

46 Forster Rd

hopewell Jct NY 12533

GreenSpectrumsCBD@gmail.com

914-380-0449

License #: OCM-AUCP-22-000023

## Certificate of Analysis

Final



Date Released: 9/12/2023 1:05:50PM

Report #: 2976

## Pre Packs (Joke &amp; Toke chillum)

Sample #: 2360, Weight: 26.00g, Unit Count:

Order #: X230901-0002

Category/Type: Concentrates &amp; Extract, Concentrate

Date Collected: 9/1/2023 5:17:16PM

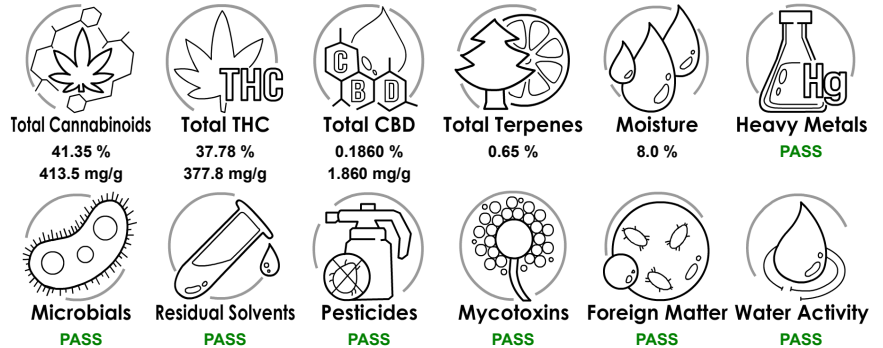
Date Received: 9/1/2023 5:44:35PM

Regulator Sample ID: JNT100

Regulator Source Package ID: JNT100

Regulator Batch ID: JNT100

Size: 3000Units, Unit Count:

Potency Analysis by  
HPLC

Total Cannabinoids: 41.35 % - 413.5 mg/g

Total THC: 37.78 % - 377.8 mg/g

Total CBD: 0.1860 % - 1.860 mg/g

Date Completed: 09/07/2023 10:38AM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
d9-THC	1972-08-3	0.001000	29.31	293.1	<div></div>
THCa	23978-85-0	0.001000	9.516	95.16	<div></div>
CBGa	25555-57-1	0.001000	0.8874	8.874	<div></div>
CBG	25654-31-3	0.001000	0.7275	7.275	<div></div>
CBN	521-35-7	0.001000	0.3202	3.202	<div></div>
THCV	31262-37-0	0.001000	0.2692	2.692	<div></div>
CBD	13956-29-1	0.001000	0.1298	1.298	<div></div>
d10-THC	95543-62-7	0.001000	0.09062	0.9062	<div></div>
CBDa	1244-58-2	0.001000	0.06404	0.6404	<div></div>
d8-THC	5957-75-5	0.001000	0.03616	0.3616	<div></div>
CBDV	24274-48-4	0.001000	ND	ND	<div></div>
CBC	20675-51-8	0.001000	ND	ND	<div></div>

**Test Comment:** Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND. Unless otherwise stated all QC passed.

d8-THC is an abbreviation for delta-8 tetrahydrocannabinol. d9-THC is an abbreviation for delta-9 tetrahydrocannabinol.

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*Kelly Greenland*

Dr. Kelly Greenland, Lab Director



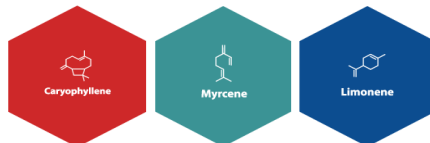


**Sample #: 2360**

**Pre Packs (Joke & Toke chillum)**

**Terpenes by HS-GC-MS**

Date Completed: 09/07/2023 1:03PM



Compound	CAS#	LOQ (%)	%	Relative Concentration
trans-Caryophyllene	87-44-5	0.1000	0.2882	<div></div>
beta-Myrcene	123-35-3	0.1000	0.2255	<div></div>
R(+)-Limonene	5989-27-5	0.1000	0.1391	<div></div>
(-)-Borneol	464-45-9	0.1000	ND	
(-)-Caryophyllene Oxide	1139-30-6	0.1000	ND	
(-)-Isopulegol	89-79-2	0.1000	ND	
(+)-Borneol	464-43-7	0.1000	ND	
(+)-Cedrol	77-53-2	0.1000	ND	
(1R)-(+)-Camphor	464-49-3	0.1000	ND	
3-Carene	13466-78-9	0.1000	ND	
alpha-Bisabolol	515-69-5	0.1000	ND	
alpha-Cedrene	469-61-4	0.1000	ND	
alpha-Farnesene	502-61-4	0.1000	ND	
alpha-Humulene	6753-98-6	0.1000	ND	
alpha-Pinene	80-56-8	0.1000	ND	
alpha-Terpinene	99-86-5	0.1000	ND	
alpha-Terpineol	98-55-5	0.1000	ND	
beta-Farnesene	18794-84-8	0.1000	ND	
beta-Pinene	127-91-3	0.1000	ND	
Camphene	79-92-5	0.1000	ND	
cis-Nerolidol	142-50-7	0.1000	ND	
cis-Ocimene	3338-55-4	0.1000	ND	

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Compound	CAS#	LOQ (%)	%	Relative Concentration
Endo-Fenchyl Alcohol	14575-74-7	0.1000	ND	
Eucalyptol	470-82-6	0.1000	ND	
Fenchone	1195-79-5	0.1000	ND	
gamma-Terpinene	99-85-4	0.1000	ND	
gamma-Terpineol	586-81-2	0.1000	ND	
Geraniol	106-24-1	0.1000	ND	
Geranyl Acetate	105-87-3	0.1000	ND	
Guaial	489-86-1	0.1000	ND	
Hexahydro Thymol	15356-70-4	0.1000	ND	
Linalool	78-70-6	0.1000	ND	
Nerol	106-25-2	0.1000	ND	
p-Mentha-1,5-diene	99-83-2	0.1000	ND	
Pulegone	89-82-7	0.1000	ND	
Sabinene	3387-41-5	0.1000	ND	
Sabinene Hydrate	546-79-2	0.1000	ND	
Terpinolene	586-62-9	0.1000	ND	
trans-Nerolidol	40716-66-3	0.1000	ND	
trans-Ocimene	3779-61-1	0.1000	ND	
Valencene	4630-07-3	0.1000	ND	

Test Comment: Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

## Foreign Matter by Microscopy

Pass

Analysis Date: 09/06/2023 2:45 pm

Compound	LOQ (%)	Limits (%)	Result (%)	Status
% Foreign Matter	0.00100	2.0	ND	Pass
Mammalian Excreta	0.00100	0.03	ND	Pass
Stems	0.00100	5.0	ND	Pass

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

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**Sample #: 2360**

**Pre Packs (Joke & Toke chillum)**

**Moisture by Analyzer**

**Pass**

Analysis Date: 09/06/2023 11:15 am

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture			8.0	Pass

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

**Water Activity by Meter**

**Pass**

Analysis Date: 09/06/2023 11:15 am

Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity			0.55	Pass

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

**Pesticides by LCMSMS**

**Pass**

Analysis Date: 09/12/2023 11:10 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Abamectin	0.0100	0.5	ND	Pass
Acephate	0.0100	0.4	ND	Pass
Acequinocyl	0.0100	2	ND	Pass
Acetamiprid	0.0100	0.2	ND	Pass
Aldicarb	0.0100	0.4	ND	Pass
Azadirachtin	0.0100	1	ND	Pass
Azoxystrobin	0.0100	0.2	ND	Pass
Bifenazate	0.0100	0.2	ND	Pass
Bifenthrin	0.0100	0.2	ND	Pass
Boscalid	0.0100	0.4	ND	Pass
Captan	0.0100	1	ND	Pass
Carbaryl	0.0100	0.2	ND	Pass
Carbofuran	0.0100	0.2	ND	Pass
Chlorantraniliprole	0.0100	0.2	ND	Pass
Chlordane-alpha	0.0100	1	ND	Pass
Chlorfenapyr	0.0100	1	ND	Pass

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Dr. Kelly Greenland, Lab Director





Sample #: 2360

Pre Packs (Joke &amp; Toke chillum)

## Pesticides by LCMSMS

Pass

Analysis Date: 09/12/2023 11:10 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Chlormequat Chloride	0.0100	1	ND	Pass
Chlorpyrifos	0.0100	0.2	ND	Pass
Clofentezine	0.0100	0.2	ND	Pass
Coumaphos	0.0100	1	ND	Pass
Cyfluthrin	0.0100	1	ND	Pass
Cypermethrin	0.0100	1	ND	Pass
Daminozide	0.0100	1	ND	Pass
Diazinon	0.0100	0.2	ND	Pass
Dichlorvos	0.0100	1	ND	Pass
Dimethoate	0.0100	0.2	ND	Pass
Dimethomorph	0.0100	1	ND	Pass
Ethoprophos	0.0100	0.2	ND	Pass
Etofenprox	0.0100	0.4	ND	Pass
Etoxazole	0.0100	0.2	ND	Pass
Fenhexamid	0.0100	1	ND	Pass
Fenoxycarb	0.0100	0.2	ND	Pass
Fenpyroximate	0.0100	0.4	ND	Pass
Fipronil	0.0100	0.4	ND	Pass
Flonicamid	0.0100	1	ND	Pass
Fludioxonil	0.0100	0.4	ND	Pass
Hexythiazox	0.0100	1	ND	Pass
Imazalil	0.0100	0.2	ND	Pass
Imidacloprid	0.0100	0.4	ND	Pass
Indolebutyric Acid	0.0100	1	ND	Pass
Kresoxim-methyl	0.0100	0.4	ND	Pass
Malathion	0.0100	0.2	ND	Pass

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**Sample #: 2360**
**Pre Packs (Joke & Toke chillum)**
**Pesticides by LCMSMS**
**Pass**
**Analysis Date: 09/12/2023 11:10 am**

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Metalaxyl	0.0100	0.2	ND	Pass
Methiocarb	0.0100	0.2	ND	Pass
Methomyl	0.0100	0.4	ND	Pass
Methyl Parathion	0.0100	0.2	ND	Pass
Mevinphos	0.0100	1	ND	Pass
MGK-264	0.0100	0.2	ND	Pass
Myclobutanil	0.0100	0.2	ND	Pass
Naled	0.0100	0.5	ND	Pass
Oxamyl	0.0100	1	ND	Pass
Paclobutrazol	0.0100	0.4	ND	Pass
Pentachloronitrobenzene	0.0100	1	ND	Pass
Permethrins, Total	0.0100	0.2	ND	Pass
Phosmet	0.0100	0.2	ND	Pass
Piperonyl Butoxide	0.0100	2	ND	Pass
Prallethrin	0.0100	0.2	ND	Pass
Propiconazole	0.0100	0.4	ND	Pass
Propoxur	0.0100	0.2	ND	Pass
Pyrethrins Total	0.0100	1	ND	Pass
Pyridaben	0.0100	0.2	ND	Pass
Spinetoram Total	0.0100	1	ND	Pass
Spinosad Total	0.0100	0.2	ND	Pass
Spiromesifen	0.0100	0.2	ND	Pass
Spirotetramat	0.0100	0.2	ND	Pass
Spiroxamine	0.0100	0.2	ND	Pass
Tebuconazole	0.0100	0.4	ND	Pass
Thiacloprid	0.0100	0.2	ND	Pass

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Sample #: 2360

Pre Packs (Joke &amp; Toke chillum)

## Pesticides by LCMSMS

Pass

Analysis Date: 09/12/2023 11:10 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Thiamethoxam	0.0100	0.2	ND	Pass
Trifloxystrobin	0.0100	0.2	ND	Pass

Comment: Pesticides tested by LCMSMS by using P-NY150. Unless otherwise stated, all QC passed.

## Residual Solvents by HS-GC-MS

Pass

Analysis Date: 09/12/2023 1:01 pm

Compound	LOQ (ppm)	Limits (ppm)	Result (ppm)	Status
1,2-Dichloroethane	0.0500	5	ND	Pass
Acetone	50.00	5000	ND	Pass
Acetonitrile	50.00	410	ND	Pass
Benzene	0.5000	2	ND	Pass
Butanes Total	25.00	5000	ND	Pass
Chloroform	0.5000	60	ND	Pass
Dimethyl Sulfoxide (DMSO)	50.00	5000	ND	Pass
Ethanol	50.00	5000	ND	Pass
Ethyl acetate	50.00	5000	ND	Pass
Ethyl ether	50.00	5000	ND	Pass
Heptane	50.00	5000	ND	Pass
Hexanes Total	10.00	290	ND	Pass
Isopropanol	50.00	5000	ND	Pass
Methanol	50.00	3000	ND	Pass
Methylene chloride	50.00	600	ND	Pass
Pentanes Total	16.70	5000	ND	Pass
Propane	50.00	5000	ND	Pass
Toluene	50.00	890	ND	Pass
Total xylenes	25.00	2170	ND	Pass
Trichloroethane (1,1,1-)	50.00	1500	ND	Pass

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Comment: Residual Solvents tested by GCMS using P-NY170. Unless otherwise stated, all QC passed.

## Mycotoxins by LCMSMS

Pass

Analysis Date: 09/12/2023 11:10 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Aflatoxin B1	0.0050	0.020	ND	Pass
Aflatoxin B2	0.0050	0.020	ND	Pass
Aflatoxin G1	0.0050	0.020	ND	Pass
Aflatoxin G2	0.0050	0.020	ND	Pass
Ochratoxin A	0.0050	0.020	ND	Pass
Total Aflatoxin	0.0050	0.020	ND	Pass

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

## Heavy Metals by ICPMS

Pass

Analysis Date: 09/07/2023 1:33 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.0100	2	ND	Pass
Arsenic	0.00100	0.2	ND	Pass
Cadmium	0.00150	0.3	0.158	Pass
Chromium	0.280	110	ND	Pass
Copper	0.0750	30	14.6	Pass
Lead	0.00250	0.5	0.0212	Pass
Mercury	0.000500	0.1	0.00254	Pass
Nickel	0.0100	2	1.43	Pass

Comment: Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed.

## Micro by Petri &amp; qPCR

Pass

Analysis Date: 09/11/2023 9:06 am

Compound	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status
Aspergillus flavus Qualitative	0	0	Not Detected	Pass
Aspergillus fumigatus Qualitative	0	0	Not Detected	Pass
Aspergillus niger Qualitative	0	0	Not Detected	Pass

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**Sample #: 2360**

**Pre Packs (Joke & Toke chillum)**

**Micro by Petri & qPCR**

**Pass**

**Analysis Date:** 09/11/2023 9:06 am

Compound	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status
Aspergillus terreus Qualitative	0	0	Not Detected	Pass
Salmonella Qualitative	0	0	Not Detected	Pass
Shiga Toxin-Producing E. coli Qualitative	0	0	Not Detected	Pass
Total Aerobic Bacteria	10	10000	6750	Pass
Total Yeast & Mold	10	1000	750	Pass

Comment: Microbial contamination tested by Petrifilm plates and qPCR using P-NY120. Unless otherwise stated, all QC passed. Due to COA validation limitations: "Not Detected" = "Absent" and "Detected" = "Presumptive Presence". Acceptance Limits: "0" = "Absence" and "1" = "Presence".

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