

420

**ECNY**  
 EMERALD CITY NY

 Cannabinoid  
 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: 8/25/2023 9:02:22AM

Report #: 2757

**AK47 Vape Cart**

Sample #: 2221, Weight: 4.00g, Unit Count:

Order #: X230821-0001

Category/Type: Concentrates &amp; Extract, Vape Cartridge

Date Collected: 8/21/2023 9:39:11AM

Date Received: 8/21/2023 9:44:44AM

Regulator Sample ID: O47-100

Regulator Source Package ID: O47-100

Regulator Batch ID: O47-100

Size: 1000units, Unit Count:


**Total Cannabinoids**  
 77.82 %  
 778.2 mg/g

**Total THC**  
 73.95 %  
 739.5 mg/g

**Total CBD**  
 0.3126 %  
 3.126 mg/g

**Total Terpenes**  
 4.6 %

**Heavy Metals**  
 PASS

**Microbials**  
 PASS

**Residual Solvents**  
 PASS

**Pesticides**  
 PASS

**Mycotoxins**  
 PASS

**Potency Analysis by HPLC**
Total Cannabinoids: **77.82 % - 778.2 mg/g**Total THC: **73.95 % - 739.5 mg/g**Total CBD: **0.3126 % - 3.126 mg/g**

Date Completed: 08/22/2023 9:48AM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
d9-THC	1972-08-3	0.001000	73.95	739.5	<div style="width: 73.95%;"></div>
CBG	25654-31-3	0.001000	1.303	13.03	<div style="width: 1.303%;"></div>
CBC	20675-51-8	0.001000	0.8777	8.777	<div style="width: 0.8777%;"></div>
THCV	31262-37-0	0.001000	0.8466	8.466	<div style="width: 0.8466%;"></div>
CBN	521-35-7	0.001000	0.5282	5.282	<div style="width: 0.5282%;"></div>
CBD	13956-29-1	0.001000	0.3126	3.126	<div style="width: 0.3126%;"></div>
THCa	23978-85-0	0.001000	ND	ND	
d8-THC	5957-75-5	0.001000	ND	ND	
d10-THC	95543-62-7	0.001000	ND	ND	
CBDa	1244-58-2	0.001000	ND	ND	
CBDV	24274-48-4	0.001000	ND	ND	
CBGa	25555-57-1	0.001000	ND	ND	

**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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**If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.**


**Keystone State Testing of New York**  
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**Sample #: 2221**
**AK47 Vape Cart**
**Terpenes by HS-GC-MS**

Date Completed: 08/23/2023 9:53AM



Compound	CAS#	LOQ (%)	%	Relative Concentration
beta-Myrcene	123-35-3	0.1000	2.027	
Terpinolene	586-62-9	0.1000	0.8592	
trans-Caryophyllene	87-44-5	0.1000	0.5772	
R(+)-Limonene	5989-27-5	0.1000	0.3214	
alpha-Humulene	6753-98-6	0.1000	0.2444	
p-Mentha-1,5-diene	99-83-2	0.1000	0.2301	
beta-Pinene	127-91-3	0.1000	0.1434	
alpha-Pinene	80-56-8	0.1000	0.1365	
alpha-Bisabolol	515-69-5	0.1000	0.1035	
(-)-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-Cedrene	469-61-4	0.1000	ND	
alpha-Farnesene	502-61-4	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	
Camphene	79-92-5	0.1000	ND	

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Compound	CAS#	LOQ (%)	%	Relative Concentration
cis-Nerolidol	142-50-7	0.1000	ND	
cis-Ocimene	3338-55-4	0.1000	ND	
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	
Guaiol	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	
Pulegone	89-82-7	0.1000	ND	
Sabinene	3387-41-5	0.1000	ND	
Sabinene Hydrate	546-79-2	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.

**Pesticides by LCMSMS****Pass**

Analysis Date: 08/22/2023 9:42 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

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**Pesticides by LCMSMS**
**Pass**

Analysis Date: 08/22/2023 9:42 am

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

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**Pesticides by LCMSMS**
**Pass**

Analysis Date: 08/22/2023 9:42 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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
Fonicamid	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
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

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**Sample #: 2221****AK47 Vape Cart****Pesticides by LCMSMS****Pass**

Analysis Date: 08/22/2023 9:42 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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
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: 08/24/2023 1:11 pm

Compound	LOQ (ppm)	Limits (ppm)	Result (ppm)	Status
1,2-Dichloroethane	10.00	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

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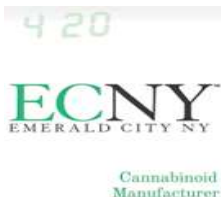


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**Residual Solvents by HS-GC-MS** **Pass** Analysis Date: 08/24/2023 1:11 pm

Compound	LOQ (ppm)	Limits (ppm)	Result (ppm)	Status
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

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

**Mycotoxins by LCMSMS** **Pass** Analysis Date: 08/22/2023 9:42 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: 08/22/2023 10:42 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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Sample #: 2221

AK47 Vape Cart

## Heavy Metals by ICPMS

Pass

Analysis Date: 08/22/2023 10:42 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.0100	2	ND	Pass
Arsenic	0.00100	0.2	0.0195	Pass
Cadmium	0.00150	0.3	ND	Pass
Chromium	0.280	110	ND	Pass
Copper	0.0750	30	0.950	Pass
Lead	0.00250	0.5	0.0465	Pass
Mercury	0.000500	0.1	ND	Pass
Nickel	0.0100	2	0.776	Pass

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

## Micro by Petri & qPCR

Pass

Analysis Date: 08/23/2023 10:54 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
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	ND	Pass
Total Yeast & Mold	10	1000	ND	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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