

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: 12/26/2023 1:24:00PM

Report #: 7714

Rainbow Runtz

Sample #: 3200, Weight: 10.00g, Unit Count:

Order #: X231130-0003

Category/Type: Concentrates & Extract, Concentrate

Date Collected: 11/30/2023 5:23:21PM

Date Received: 11/30/2023 5:31:35PM

Regulator Sample ID: HH-RR-01

Regulator Source Package ID: HH-RR-01

Regulator Batch ID: HH-RR-01

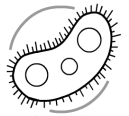
Size: 5000Units, Unit Count:


Total Cannabinoids
 92.54 %
 925.4 mg/g

Total THC
 84.61 %
 846.1 mg/g

Total CBD
 0.4024 %
 4.024 mg/g

Total Terpenes
 0.0 %

Heavy Metals
 PASS

Microbials
 PASS

Residual Solvents
 PASS

Pesticides
 PASS

Mycotoxins
 PASS

Potency Analysis by HPLC
Total Cannabinoids: **92.54 % - 925.4 mg/g**Total THC: **84.61 % - 846.1 mg/g**Total CBD: **0.4024 % - 4.024 mg/g**

Date Completed: 12/05/2023 11:52AM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
d9-THC	1972-08-3	0.001000	84.61	846.1	<div style="width: 84.61%;"></div>
CBG	25654-31-3	0.001000	6.086	60.86	<div style="width: 6.086%;"></div>
CBC	20675-51-8	0.001000	0.7206	7.206	<div style="width: 0.7206%;"></div>
CBN	521-35-7	0.001000	0.5696	5.696	<div style="width: 0.5696%;"></div>
CBD	13956-29-1	0.001000	0.2973	2.973	<div style="width: 0.2973%;"></div>
THCV	31262-37-0	0.001000	0.1323	1.323	<div style="width: 0.1323%;"></div>
CBDa	1244-58-2	0.001000	0.1198	1.198	<div style="width: 0.1198%;"></div>
THCa	23978-85-0	0.001000	ND	ND	<div style="width: 0%;"></div>
d8-THC	5957-75-5	0.001000	ND	ND	<div style="width: 0%;"></div>
d10-THC	95543-62-7	0.001000	ND	ND	<div style="width: 0%;"></div>
CBDV	24274-48-4	0.001000	ND	ND	<div style="width: 0%;"></div>
CBGa	25555-57-1	0.001000	ND	ND	<div style="width: 0%;"></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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Dr. Kelly Greenland, Lab Director





Sample #: 3200

Rainbow Runtz

Terpenes by HS-GC-MS

Date Completed: 12/07/2023 11:07AM

Compound	CAS#	LOQ ()	Relative Concentration
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Results based on dry weight

Beta-myrcene	123-35-3	0.1000	ND
Beta-caryophyllene	87-44-5	0.1000	ND
Limonene	5989-27-5	0.1000	ND
Alpha-pinene	80-56-8	0.1000	ND
Alpha-humulene	6753-98-6	0.1000	ND
Linalool	78-70-6	0.1000	ND
Beta-pinene	127-91-3	0.1000	ND
Terpinolene	586-62-9	0.1000	ND
Borneol	464-45-9	0.1000	ND
Ocimene	13877-91-3	0.1000	ND
Alpha-bisabolol	515-69-5	0.1000	ND
Caryophyllene-oxide	1139-30-6	0.1000	ND
Geraniol	106-24-1	0.1000	ND
Camphene	79-92-5	0.1000	ND
Guaiol	489-86-1	0.1000	ND
Alpha-terpinene	99-86-5	0.1000	ND
Terpineol	8006-39-1	0.1000	ND
Fenchol	14575-74-7	0.1000	ND
Valencene	4630-07-3	0.1000	ND
Alpha-phellandrene	99-83-2	0.1000	ND
Farnesene	502-61-4	0.1000	ND

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Rainbow Runtz

Compound	CAS#	LOQ (%)	%	Relative Concentration
Camphor	464-49-3	0.1000	ND	
3-Carene	13466-78-9	0.1000	ND	
Alpha-cedrene	469-61-4	0.1000	ND	
Cedrol	77-53-2	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	
Geranyl Acetate	105-87-3	0.1000	ND	
Isopulegol	89-79-2	0.1000	ND	
Menthol	15356-70-4	0.1000	ND	
Nerol	106-25-2	0.1000	ND	
Nerolidol			0.000	
Pulegone	89-82-7	0.1000	ND	
Sabinene	3387-41-5	0.1000	ND	
Sabinene Hydrate	546-79-2	0.1000	ND	

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

Pesticides by LCMSMS

Pass

Analysis Date: 12/08/2023 12:51 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Abamectin	0.0100	0.500	ND	Pass
Acephate	0.0100	0.400	ND	Pass
Acequinocyl	0.0100	2.00	ND	Pass
Acetamiprid	0.0100	0.200	ND	Pass
Aldicarb	0.0100	0.400	ND	Pass
Azadirachtin	0.0100	1.00	ND	Pass
Azoxystrobin	0.0100	0.200	ND	Pass
Bifenazate	0.0100	0.200	ND	Pass

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Sample #: 3200

Rainbow Runtz

Pesticides by LCMSMS

Pass

Analysis Date: 12/08/2023 12:51 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Bifenthrin	0.0100	0.200	ND	Pass
Boscalid	0.0100	0.400	ND	Pass
Captan	0.0100	1.00	ND	Pass
Carbaryl	0.0100	0.200	ND	Pass
Carbofuran	0.0100	0.200	ND	Pass
Chlorantraniliprole	0.0100	0.200	ND	Pass
Chlordane-alpha	0.0100	1.00	ND	Pass
Chlorfenapyr	0.0100	1.00	ND	Pass
Chloromequat Chloride	0.0100	1.00	ND	Pass
Chlorpyrifos	0.0100	0.200	ND	Pass
Clofentezine	0.0100	0.200	ND	Pass
Coumaphos	0.0100	1.00	ND	Pass
Cyfluthrin	0.0100	1.00	ND	Pass
Cypermethrin	0.0100	1.00	ND	Pass
Daminozide	0.0100	1.00	ND	Pass
Diazinon	0.0100	0.200	ND	Pass
Dichlorvos	0.0100	1.00	ND	Pass
Dimethoate	0.0100	0.200	ND	Pass
Dimethomorph	0.0100	1.00	ND	Pass
Ethoprophos	0.0100	0.200	ND	Pass
Etofenprox	0.0100	0.400	ND	Pass
Etoxazole	0.0100	0.200	ND	Pass
Fenhexamid	0.0100	1.00	ND	Pass
Fenoxycarb	0.0100	0.200	ND	Pass
Fenpyroximate	0.0100	0.400	ND	Pass
Fipronil	0.0100	0.400	ND	Pass

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Pesticides by LCMSMS
Pass
Analysis Date: 12/08/2023 12:51 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Flonicamid	0.0100	1.00	ND	Pass
Fludioxonil	0.0100	0.400	ND	Pass
Hexythiazox	0.0100	1.00	ND	Pass
Imazalil	0.0100	0.200	ND	Pass
Imidacloprid	0.0100	0.400	ND	Pass
Indolebutyric Acid	0.0100	1.00	ND	Pass
Kresoxim-methyl	0.0100	0.400	ND	Pass
Malathion	0.0100	0.200	ND	Pass
Metalaxyl	0.0100	0.200	ND	Pass
Methiocarb	0.0100	0.200	ND	Pass
Methomyl	0.0100	0.400	ND	Pass
Methyl Parathion	0.0100	0.200	ND	Pass
Mevinphos	0.0100	1.00	ND	Pass
MGK-264	0.0100	0.200	ND	Pass
Myclobutanil	0.0100	0.200	ND	Pass
Naled	0.0100	0.500	ND	Pass
Oxamyl	0.0100	1.00	ND	Pass
Paclobutrazol	0.0100	0.400	ND	Pass
Pentachloronitrobenzene	0.0100	1.00	ND	Pass
Permethrins, Total	0.0100	0.200	ND	Pass
Phosmet	0.0100	0.200	ND	Pass
Piperonyl Butoxide	0.0100	2.00	ND	Pass
Prallethrin	0.0100	0.200	ND	Pass
Propiconazole	0.0100	0.400	ND	Pass
Propoxur	0.0100	0.200	ND	Pass
Pyrethrins Total	0.0100	1.00	ND	Pass

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**Sample #: 3200****Rainbow Runtz****Pesticides by LCMSMS****Pass**

Analysis Date: 12/08/2023 12:51 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Pyridaben	0.0100	0.200	ND	Pass
Spinetoram Total	0.0100	1.00	ND	Pass
Spinosad Total	0.0100	0.200	ND	Pass
Spiromesifen	0.0100	0.200	ND	Pass
Spirotetramat	0.0100	0.200	ND	Pass
Spiroxamine	0.0100	0.200	ND	Pass
Tebuconazole	0.0100	0.400	ND	Pass
Thiacloprid	0.0100	0.200	ND	Pass
Thiamethoxam	0.0100	0.200	ND	Pass
Trifloxystrobin	0.0100	0.200	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: 12/11/2023 3:41 pm

Compound	LOQ (ppm)	Limits (ppm)	Result (ppm)	Status
1,2-Dichloroethane	0.0500	5.00	ND	Pass
Acetone	50.00	5000	ND	Pass
Acetonitrile	50.00	410	ND	Pass
Benzene	0.5000	2.00	ND	Pass
Butanes Total	25.00	5000	ND	Pass
Chloroform	0.5000	60.0	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

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Sample #: 3200

Rainbow Runtz

Residual Solvents by HS-GC-MS

Pass

Analysis Date: 12/11/2023 3:41 pm

Compound	LOQ (ppm)	Limits (ppm)	Result (ppm)	Status
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. "TIC" stands for Tentatively Identified Compound but not quantitated.

Mycotoxins by LCMSMS

Pass

Analysis Date: 12/08/2023 12:49 pm

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: 12/05/2023 3:54 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.0100	2.00	ND	Pass
Arsenic	0.00100	0.200	0.00264	Pass
Cadmium	0.00150	0.300	ND	Pass
Chromium	0.280	110	ND	Pass

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Sample #: 3200

Rainbow Runtz

Heavy Metals by ICPMS

Pass

Analysis Date: 12/05/2023 3:54 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Copper	0.0750	30.0	ND	Pass
Lead	0.00250	0.500	0.0447	Pass
Mercury	0.000500	0.100	0.000815	Pass
Nickel	0.0100	2.00	0.0170	Pass

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

Micro by Petri & qPCR

Pass

Analysis Date: 12/06/2023 10:20 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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