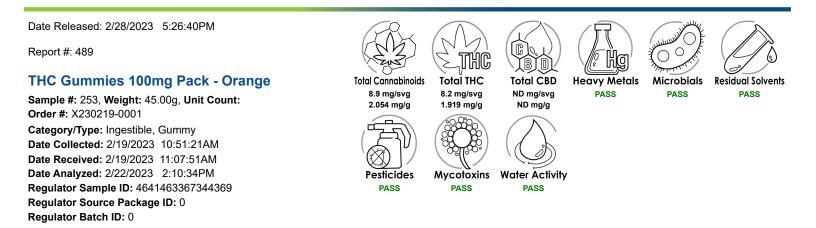


Batavia, NY, 14020 info@empirehempco.com 888-895-9032 License #: OCM-AUCP-22-000015 Final



Potency Analysis by HPLC	Total TH	annabinoid IC: 8.2 mg BD: ND m g	g/svg - 1.		Date Completed: 02/22/2023 9:13AN
Compound	CAS#	LOQ (mg/svg)	mg/svg	mg/g	Relative Concentration
d9-THC	1972-08-3	0.1	8.2	1.919	
CBC	20675-51-8	0.1	0.2	0.036	•
CBG	25654-31-3	0.1	0.2	0.049	•
CBN	521-35-7	0.1	0.2	0.035	•
THCV	31262-37-0	0.1	0.1	0.015	•
THCa	23978-85-0	0.1	ND	ND	
d8-THC	5957-75-5	0.1	ND	ND	
d10-THC	95543-62-7	0.1	ND	ND	
CBD	13956-29-1	0.1	ND	ND	
CBDa	1244-58-2	0.1	ND	ND	
CBDV	24274-48-4	0.1	ND	ND	
CBGa	25555-57-1	0.1	ND	ND	
Test Comment: Cannabinoids analyzed by Unless otherwise stated all QC passed. Total THC = d9-THC + (Total CBD = CBD + (0.8	d8-THC + d				sture content for flower samples unless moisture is listed as zero or ND.

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

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



Keystone State Testing of New York 1809 Vestal Pkwy E Vestal, NY 13850 (607)301-0884

(007)301-0884 InfoNY@KeystoneStateTesting.com www.KeystoneStateTesting.com License #: OCM-PPCL-2022-00007 Kelly N Guela





Batavia, NY, 14020 info@empirehempco.com 888-895-9032 License #: OCM-AUCP-22-000015

Sample #: 253

THC Gummies 100mg Pack - Orange

Water Activity by Meter	Pass	;	Date Completed	Date Completed: 02/22/2023 12:19 pm	
Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status	
Water Activity	0.05	0.85	0.71	Pass	
Comment: Physical chemistry was tested using moisture and	alyzer, water activity meter using P-NY 16	60. Unless otherwise stated, all QC passed	I.		

sticides by LCMSMS	Pass	;	Date Completed: 02/22/2023 10:35 an	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Abamectin	0.01	0.5	ND	Pass
Acephate	0.01	0.4	ND	Pass
Acequinocyl	0.01	2	ND	Pass
Acetamiprid	0.01	0.2	ND	Pass
Aldicarb	0.01	0.4	ND	Pass
Azadirachtin	0.01	1	ND	Pass
Azoxystrobin	0.01	0.2	ND	Pass
Bifenazate	0.01	0.2	ND	Pass
Bifenthrin	0.01	0.2	ND	Pass
Boscalid	0.01	0.4	ND	Pass
Carbaryl	0.01	0.2	ND	Pass
Carbofuran	0.01	0.2	ND	Pass
Chlorantraniliprole	0.01	0.2	ND	Pass
Chlormequat Chloride	0.01	1	ND	Pass
Chlorpyrifos	0.01	0.2	ND	Pass
Clofentezine	0.01	0.2	ND	Pass
Coumaphos	0.01	1	ND	Pass
Cyfluthrin	0.01	1	ND	Pass
Cypermethrin	0.01	1	ND	Pass
Daminozide	0.01	1	ND	Pass
Diazinon	0.01	0.2	ND	Pass

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

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



Keystone State Testing of New York 1809 Vestal Pkwy E Vestal, NY 13850 (607)301-0884 InfoNY@KeystoneStateTesting.com www.KeystoneStateTesting.com

License #: OCM-PPCL-2022-00007

Kelly N Guela



GEMPIRE

Batavia, NY, 14020 info@empirehempco.com 888-895-9032 License #: OCM-AUCP-22-000015

Sample #: 253

THC Gummies 100mg Pack - Orange

esticides by LCMSMS	Pass	5	Date Completed: 02/22/2023 10:35 ar	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Dichlorvos	0.01	1	ND	Pass
Dimethoate	0.01	0.2	ND	Pass
Dimethomorph	0.01	1	ND	Pass
Ethoprophos	0.01	0.2	ND	Pass
Etofenprox	0.01	0.4	ND	Pass
Etoxazole	0.01	0.2	ND	Pass
Fenhexamid	0.01	1	ND	Pass
Fenoxycarb	0.01	0.2	ND	Pass
Fenpyroximate	0.01	0.4	ND	Pass
Fipronil	0.01	0.4	ND	Pass
Flonicamid	0.01	1	ND	Pass
Fludioxonil	0.01	0.4	ND	Pass
Hexythiazox	0.01	1	ND	Pass
Imazalil	0.01	0.2	ND	Pass
Imidacloprid	0.01	0.4	ND	Pass
Indolebutyric Acid	0.01	1	ND	Pass
Kresoxim-methyl	0.01	0.4	ND	Pass
Malathion	0.01	0.2	ND	Pass
Metalaxyl	0.01	0.2	ND	Pass
Methiocarb	0.01	0.2	ND	Pass
Mevinphos	0.01	1	ND	Pass
Myclobutanil	0.01	0.2	ND	Pass
Naled	0.01	0.5	ND	Pass
Oxamyl	0.01	1	ND	Pass
Paclobutrazol	0.01	0.4	ND	Pass
Permethrin	0.01	0.2	ND	Pass

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

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



Keystone State Testing of New York 1809 Vestal Pkwy E Vestal, NY 13850 (607)301-0884 InfoNY@KeystoneStateTesting.com www.KeystoneStateTesting.com License #: OCM-PPCL-2022-00007

Kelly N Guela



GEMPIRE

Batavia, NY, 14020 info@empirehempco.com 888-895-9032 License #: OCM-AUCP-22-000015

Sample #: 253

THC Gummies 100mg Pack - Orange

esticides by LCMSMS	Pass	;	Date Completed: 02/22/2023 10:35 an	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Phosmet	0.01	0.2	ND	Pass
Piperonyl Butoxide	0.01	2	ND	Pass
Prallethrin	0.01	0.2	ND	Pass
Propiconazole	0.01	0.4	ND	Pass
Propoxur	0.01	0.2	ND	Pass
Pyrethrins Total	0.01	1	ND	Pass
Pyridaben	0.01	0.2	ND	Pass
Spinetoram	0.01	1	ND	Pass
Spinosad Total	0.01	.2	ND	Pass
Spiromesifen	0.01	0.2	ND	Pass
Spirotetramat	0.01	0.2	ND	Pass
Spiroxamine	0.01	0.2	ND	Pass
Tebuconazole	0.01	0.4	ND	Pass
Thiacloprid	0.01	0.2	ND	Pass
Thiamethoxam	0.01	0.2	ND	Pass
Trifloxystrobin	0.01	0.2	ND	Pass
mment: Pesticides tested by LCMSMS by using P-NY15	i0. Unless otherwise stated, all QC passed.			

Residual Solvents by HS-GC-MS	Pass		Date Completed: 02/22/2023 12:23 pn	
Compound	LOQ (ppm)	Limits (ppm)	Result (ppm)	Status
1,4-Dioxane	50	380	ND	Pass
2-Butanol	50	5000	ND	Pass
2-Ethoxyethanol	50	160	ND	Pass
3-Methylpentane	10		ND	Pass
Acetone	50	5000	ND	Pass
Acetonitrile	50	410	ND	Pass

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

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



Keystone State Testing of New York 1809 Vestal Pkwy E Vestal, NY 13850 (607)301-0884

InfoNY@KeystoneStateTesting.com www.KeystoneStateTesting.com License #: OCM-PPCL-2022-00007 Kelly N Guela



GEMPIRE

Batavia, NY, 14020 info@empirehempco.com 888-895-9032 License #: OCM-AUCP-22-000015

Sample #: 253

THC Gummies 100mg Pack - Orange

sidual Solvents by HS-GC-MS	Pass		Date Completed: 02/22/2023 12:23	
Compound	LOQ (ppm)	Limits (ppm)	Result (ppm)	Status
Benzene	0.5	2	ND	Pass
Butanes ppm	25	5000	ND	Pass
Cumene	50	70	ND	Pass
Cyclohexane	50	3880	ND	Pass
Ethanol	50	5000	217	Pass
Ethyl acetate	50	5000	ND	Pass
Ethyl ether	50	5000	ND	Pass
Ethylbenzene	12.5		ND	Pass
Ethylene glycol	50	620	ND	Pass
Ethylene oxide	50	50	ND	Pass
Heptane	50	5000	ND	Pass
Hexane	10		ND	Pass
Isopropanol	50	5000	ND	Pass
Isopropyl acetate	50	5000	ND	Pass
Methanol	50	3000	ND	Pass
Methylene chloride	50	600	ND	Pass
Pentanes Total	16.7	5000	ND	Pass
Propane	50	5000	ND	Pass
Tetrahydrofuran	50	720	ND	Pass
Toluene	50	890	ND	Pass
Total xylenes	25	2170	ND	Pass

Mycotoxins by LCMSMS	Pass		Date Completed:	: 02/22/2023 10:35 am
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Aflatoxin B1	0.005	0.020	ND	Pass

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

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



Keystone State Testing of New York 1809 Vestal Pkwy E Vestal, NY 13850 (607)301-0884

InfoNY@KeystoneStateTesting.com www.KeystoneStateTesting.com License #: OCM-PPCL-2022-00007

Kelly N Guela



GEMPIRE

Batavia, NY, 14020 info@empirehempco.com 888-895-9032 License #: OCM-AUCP-22-000015

Sample #: 253

THC Gummies 100mg Pack - Orange

lycotoxins by LCMSMS	Pass	6	Date Completed: 02/22/2023 10:35	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Aflatoxin B2	0.005	0.020	ND	Pass
Aflatoxin G1	0.005	0.020	ND	Pass
Aflatoxin G2	0.005	0.020	ND	Pass
Ochratoxin A	0.005	0.020	ND	Pass
Total Aflatoxin	0.005	0.020	ND	Pass
omment: Mycotoxin contamination tested by LCMSMS usin	g P-NY125. Unless otherwise stated, all	QC passed.		

avy Metals by ICPMS	Pass	Pass		: 02/22/2023 10:21
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony		120	0.0	Pass
Arsenic		1.5	0.0	Pass
Cadmium		0.5	0.0	Pass
Chromium		1100	0.0	Pass
Copper		300	0.0	Pass
Lead		0.5	0.0	Pass
Mercury		3	0.0	Pass
Nickel		20	0.0	Pass

Micro by Petri & qPCR	Pass	Pass		Date Completed: 02/22/2023 2:10 pm	
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	

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

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



Keystone State Testing of New York 1809 Vestal Pkwy E Vestal, NY 13850 (607)301-0884

InfoNY@KeystoneStateTesting.com www.KeystoneStateTesting.com License #: OCM-PPCL-2022-00007 Kelly N Guela





Batavia, NY, 14020 info@empirehempco.com 888-895-9032 License #: OCM-AUCP-22-000015

Sample #: 253

THC Gummies 100mg Pack - Orange

Micro by Petri & qPCR	Pass	5	Date Completed: 02/22/2023 2:10 pn	
Compound	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status
Shiga Toxin-Producing E. coli Qualitative	0	0	Not Detected	Pass
Total Aerobic Bacteria	10		80	Pass
Total Yeast & Mold	10		ND	Pass
Comment: Microbial contamination tested by Petrifilm plates and q and "Detected" = "Presumptive Presence". Acceptance	5		alidation limitations: "Not Detected" = "Absent"	

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

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



Keystone State Testing of New York 1809 Vestal Pkwy E Vestal, NY 13850

(607)301-0884 InfoNY@KeystoneStateTesting.com www.KeystoneStateTesting.com License #: OCM-PPCL-2022-00007 Kelly N Guela

