

Potency Analysis by HPLC	Total TH	C: <b>15.10</b>	ds: 17.81 % - 151.0 % - 0.6 m		Date Completed: 03/31/2023 9:43
Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001	16.04	160.4	
d9-THC	1972-08-3	0.001	1.03	10.3	-
CBGa	25555-57-1	0.001	0.61	6.1	
CBDa	1244-58-2	0.001	0.07	0.7	1
CBG	25654-31-3	0.001	0.06	0.6	I
d8-THC	5957-75-5	0.001	ND	ND	
d10-THC	95543-62-7	0.001	ND	ND	
THCV	31262-37-0	0.001	ND	ND	
CBD	13956-29-1	0.001	ND	ND	
CBDV	24274-48-4	0.001	ND	ND	
CBC	20675-51-8	0.001	ND	ND	
CBN	521-35-7	0.001	ND	ND	

Total THC = d9-THC + d8-THC + d10-THC + (0.877\*THCa) d8-THC is an abbreviation for delta-8 tetrahydrocannabinol.

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

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

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ample #: 639				010020
erpenes by HS-GC-MS	Car	¢¢ yophyllene	₹35 Humulene	Date Completed: 03/30/2023 11:11A
Compound	CAS#	LOQ (%)	%	Relative Concentration
trans-Caryophyllene	87-44-5	0.1	0.2	
alpha-Farnesene	502-61-4	0.1	0.1	
alpha-Humulene	6753-98-6	0.1	0.1	
beta-Farnesene	18794-84-8	0.1	0.1	
Results based on dry weight				
(-)-Borneol	464-45-9	0.1	ND	
(-)-Caryophyllene Oxide	1139-30-6	0.1	ND	
(-)-Isopulegol	89-79-2	0.1	ND	
(+)-Borneol	464-43-7	0.1	ND	
(+)-Cedrol	77-53-2	0.1	ND	
(1R)-(+)-Camphor	464-49-3	0.1	ND	
3-Carene	13466-78-9	0.1	ND	
alpha-Bisabolol	515-69-5	0.1	ND	
alpha-Cedrene	469-61-4	0.1	ND	
alpha-Pinene	80-56-8	0.1	ND	
alpha-Terpinene	99-86-5	0.1	ND	
alpha-Terpineol	98-55-5	0.1	ND	
beta-Myrcene	123-35-3	0.1	ND	
beta-Pinene	127-91-3	0.1	ND	
Camphene	79-92-5	0.1	ND	
cis-Nerolidol	142-50-7	0.1	ND	
cis-Ocimene	3338-55-4	0.1	ND	

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mple #: 639				01002
Compound	CAS#	LOQ (%)	%	Relative Concentration
Endo-Fenchyl Alcohol	14575-74-7	0.1	ND	
Eucalyptol	470-82-6	0.1	ND	
Fenchone	1195-79-5	0.1	ND	
gamma-Terpinene	99-85-4	0.1	ND	
gamma-Terpineol	586-81-2	0.1	ND	
Geraniol	106-24-1	0.1	ND	
Geranyl Acetate	105-87-3	0.1	ND	
Guaiol	489-86-1	0.1	ND	
Hexahydro Thymol	15356-70-4	0.1	ND	
Linalool	78-70-6	0.1	ND	
Nerol	106-25-2	0.1	ND	
p-Mentha-1,5-diene	99-83-2	0.1	ND	
Pulegone	89-82-7	0.1	ND	
R(+)-Limonene	5989-27-5	0.1	ND	
Sabinene	3387-41-5	0.1	ND	
Sabinene Hydrate	546-79-2	0.1	ND	
Terpinolene	586-62-9	0.1	ND	
trans-Nerolidol	40716-66-3	0.1	ND	
trans-Ocimene	3779-61-1	0.1	ND	
Valencene	4630-07-3	0.1	ND	

Foreign Matter by Microscopy	Pass		Date Completed: 03/30/2023 12:00 p	
Compound	LOQ (%)	Limits (%)	Result (%)	Status
% Foreign Matter	0.001	2.0	ND	Pass
Mammalian Exreta	0.001	0.03	ND	Pass
Stems	0.001	5.0	ND	Pass

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Kelly N Guela



010020001

## Sample #: 639

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

Moisture by Analyzer	Pass	5	Date Completed: 03/30/2023 11:56 at	
Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	8.0	Pass
Comment: Physical chemistry was tested using moisture a				Fass

Water Activity by Meter	Pass	;	Date Completed: 03/30/2023 11:56 a	
Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity	0.05	0.65	0.35	Pass
Comment: Physical chemistry was tested using moisture an	alvzer, water activity meter using P-NV 16	0 Unless otherwise stated all OC passe	d	

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	;	Date Completed: 03/30/2023 12:37 pm		
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	

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010020001

## Sample #: 639

sticides by LCMSMS	Pass	;	Date Completed: 03/30/2023 12:37 p		
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
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	
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	

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## Sample #: 639

esticides by LCMSMS	Pass	;	Date Completed	:03/30/2023 12:37
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
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
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

Mycotoxins by LCMSMS	Pass		Date Completed: 03/30/2023	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status

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## Sample #: 639

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ycotoxins by LCMSMS	Pass	5	Date Completed: 03/30/2023 12:37 pm		
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
Aflatoxin B1	0.005	0.020	ND	Pass	
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	

avy Metals by ICPMS	Pass		Date Completed: 03/30/2023 11:54 a	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.01	2	ND	Pass
Arsenic	0.001	0.2	ND	Pass
Cadmium	0.0015	0.3	ND	Pass
Chromium	0.275	110	ND	Pass
Copper	0.075	30	12.0	Pass
Lead	0.0025	0.5	0.1	Pass
Mercury	0.0005	0.1	ND	Pass
Nickel	0.01	2	0.2	Pass

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Micro by Petri & qPCR	Pass		Date Completed: 03/29/2023 4:23 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

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Sample #: 639 010						
Micro by Petri & qPCR	Pass		Date Completed: 03/29/2023 4:23 pm			
Compound	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status		
Salmonella Qualitative	0	0	Not Detected	Pass		
Shiga Toxin-Producing E. coli Qualitative	0	0	Not Detected	Pass		
Total Aerobic Bacteria	10		7000	Pass		
Total Yeast & Mold	10		8000	Pass		

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