

Date Released: 2/23/2023 10:56:10AM

Report #: 402

FL x Chai #1

Sample #: 261, Weight: 28.00g, Unit Count:

Order #: X230220-0001

Category/Type: Plant, Flower - Cured

Date Collected: 2/20/2023 11:31:14AM

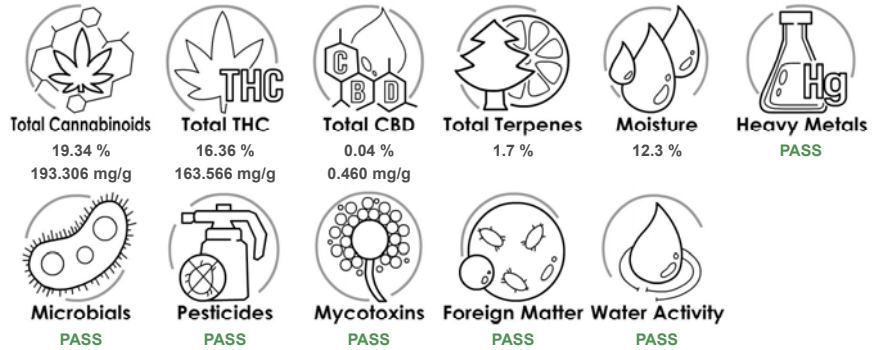
Date Received: 2/20/2023 11:55:30AM

Date Analyzed: 2/22/2023 5:26:59PM

Regulator Sample ID: 0

Regulator Source Package ID: 0

Regulator Batch ID: 0



Potency Analysis by HPLC

Total Cannabinoids: **19.34 % - 193.306 mg/g**

Total THC: **16.36 % - 163.566 mg/g**

Total CBD: **0.04 % - 0.460 mg/g**

Date Completed: 02/22/2023 9:19AM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001	18.05	180.490	<div style="width: 18.05%;"></div>
CBGa	25555-57-1	0.001	0.64	6.358	<div style="width: 0.64%;"></div>
d9-THC	1972-08-3	0.001	0.53	5.276	<div style="width: 0.53%;"></div>
CBG	25654-31-3	0.001	0.07	0.657	<div style="width: 0.07%;"></div>
CBDa	1244-58-2	0.001	0.05	0.525	<div style="width: 0.05%;"></div>
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	

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.

Total THC = d9-THC + d8-THC + d10-THC + (0.877*THCa)

Total CBD = CBD + (0.877*CBDa)

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Kelly N. Greenland

Dr. Kelly Greenland, Lab Director
2/23/2023 10:59:08AM



Sample #: 261

FL x Chai #1

Terpenes by HS-GC-MS

Date Completed: 02/22/2023 12:14PM



Compound	CAS#	LOQ (%)	%	Relative Concentration
trans-Caryophyllene	87-44-5	0.1	0.6	
beta-Myrcene	123-35-3	0.1	0.3	
alpha-Farnesene	502-61-4	0.1	0.2	
alpha-Humulene	6753-98-6	0.1	0.2	
R(+)-Limonene	5989-27-5	0.1	0.2	
Valencene	4630-07-3	0.1	0.2	
(-)-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-Farnesene	18794-84-8	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	

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Sample #: 261

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Compound	CAS#	LOQ (%)	%	Relative Concentration
cis-Ocimene	3338-55-4	0.1	ND	
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		0.1	ND	
Pulegone	89-82-7	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	

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

Foreign Matter by Microscopy

Pass

Date Completed: 02/22/2023 10:36 am

Compound	LOQ (%)	Limits (%)	Result (%)	Status
% Foreign Matter	0.001	2.0	ND	Pass
Mammalian Excreta	0.001	0.03	ND	Pass
Stems	0.001	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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Moisture by Analyzer

Pass

Date Completed: 02/22/2023 10:35 am

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	12.3	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

Date Completed: 02/22/2023 10:35 am

Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity	0.05	0.65	0.46	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

Date Completed: 02/22/2023 10:33 am

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
Chloromequat Chloride	0.01	1	ND	Pass
Chlorpyrifos	0.01	0.2	ND	Pass
Clofentezine	0.01	0.2	ND	Pass

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Pesticides by LCMSMS

Pass

Date Completed: 02/22/2023 10:33 am

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

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Pesticides by LCMSMS

Pass

Date Completed: 02/22/2023 10:33 am

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

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

Mycotoxins by LCMSMS

Pass

Date Completed: 02/22/2023 10:33 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Aflatoxin B1	0.005	0.020	ND	Pass

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Mycotoxins by LCMSMS

Pass

Date Completed: 02/22/2023 10:33 am

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

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

Heavy Metals by ICPMS

Pass

Date Completed: 02/22/2023 10:33 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.005	2	ND	Pass
Arsenic	0.005	0.2	ND	Pass
Cadmium	0.005	0.3	ND	Pass
Chromium	0.005	110	ND	Pass
Copper	0.005	30	15.3	Pass
Lead	0.005	0.5	ND	Pass
Mercury	0.005	0.1	ND	Pass
Nickel	0.005	2	0.3	Pass

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

Micro by Petri & qPCR

Pass

Date Completed: 02/22/2023 5:26 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

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Micro by Petri & qPCR

Pass

Date Completed: 02/22/2023 5:26 pm

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		ND	Pass
Total Yeast & Mold	10		1000	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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