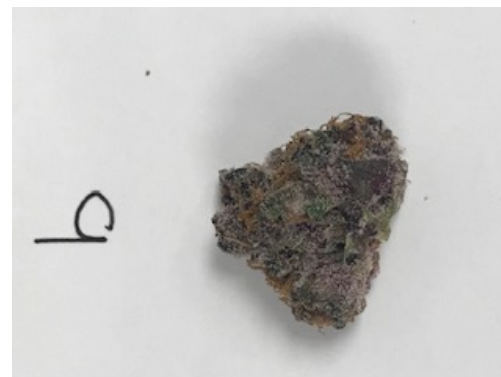




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 Edmond OK 73013
 License #: LAAA-CKDM-WJ18
 Phone: 405-330-5887

Certificate of Analysis

Client Name: Earthbound Growers of Oklahoma LLC
Address: 14 HAMPTON LN SHAWNEE, Oklahoma 74804-9079
Phone: 4057889386
License Number: GAAA-4KSC-KGUO

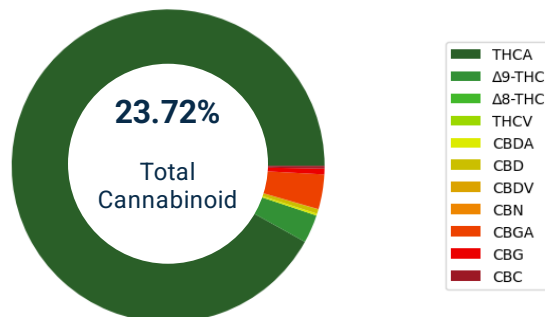


Sample ID: SAM-07/06/2023-6868
Strain Name: Tropicana Cherry
Sample Matrix: Flower
Sample Matrix Subtype:
Sample Date: 07/06/2023
Sample Batch ID: 05-TC-6/2/23
Sample Metric ID: 1A40E010000191E000000269
Client Sample Size(g): 10

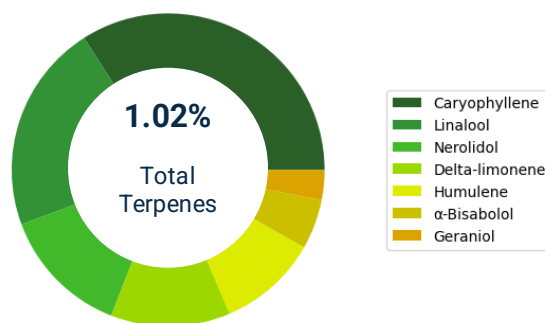
Results Summary

Foreign Materials & Filth	✓ PASS
07/13/2023	
Moisture	✓ PASS
07/13/2023	
Water Activity	✓ PASS
07/13/2023	
Potency	TESTED
07/13/2023	
Terpenes	TESTED
07/13/2023	
Heavy Metals	✓ PASS
07/13/2023	
Pesticides	✓ PASS
07/13/2023	
Microbial Impurities	✓ PASS
07/13/2023	

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Foreign Materials & Filth

✓ PASS

Date Analyzed:

Instrument: Visual Inspection

Date Completed: 07/13/2023

Method: SOP-F01

Foreign Materials**Status**

Foreign Materials Analysis

Pass

Comments:

Moisture

✓ PASS

Date Analyzed:

Instrument: Moisture balance

Date Completed: 07/13/2023

Method: SOP-M01

Calibration Date: 05/18/2023**Moisture****Result (%)****Specification (%)****Status**

Moisture

10.5

0.0-15.0

Pass

Water Activity

✓ PASS

Date Analyzed:

Instrument: Water activity meter

Date Completed: 07/13/2023

Method: SOP-W01

Calibration Date: 08-05-2023**Water Activity****Result (Aw)****Limit (Aw)****Status**

Water Activity

0.49

0.65

Pass



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Potency

Date Analyzed:
Instrument: HPLC

Date Completed: 07/13/2023
Method: SOP-C01

Calibration Date: 05/01/2023

Cannabinoid	Result (%)	Result (mg/g)	LOQ (mg/g)
THCA	21.80	218.05	0.01
Δ9-THC	0.69	6.94	0.01
Δ8-THC	ND	ND	0.01
THCV	ND	ND	0.01
CBDA	0.05	0.47	0.01
CBD	0.11	1.09	0.01
CBDV	ND	ND	0.01
CBN	0.01	0.06	0.01
CBGA	0.85	8.49	0.01
CBG	0.15	1.45	0.01
CBC	0.06	0.64	0.01
Total THC	19.82	198.17	-
Total CBD	0.14	1.40	-
Total Cannabinoids	23.72	237.19	-
Total THC(dry) = (THCa % 0.877 + Δ9-THC) / (1 - moisture)			
Total CBD(dry) = (CBDA % 0.877 + CBD) / (1 - moisture)			



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Terpenes

Date Analyzed:

Instrument: GC-FID

Date Completed: 07/13/2023

Method: SOP-T01

Calibration Date: 05/08/2023

Terpene	Result (mg/g)	Result (%)	LOQ (mg/g)
α-Pinene	0.10	0.01	0.01
Camphene	ND	ND	0.01
Myrcene	0.10	0.01	0.01
β-pinene	0.20	0.02	0.01
3-Carene	ND	ND	0.01
Terpinene	ND	ND	0.01
Ocimene	ND	ND	0.01
Delta-limonene	1.20	0.12	0.01
p-Cymene	ND	ND	0.01
β-Ocimene	ND	ND	0.01
Eucalyptol	ND	ND	0.01
γ-Terpinene	ND	ND	0.01
terpinolene	ND	ND	0.01
Linalool	2.10	0.21	0.01
Isopulegol	ND	ND	0.01
Geraniol	0.30	0.03	0.01
Caryophyllene	3.30	0.33	0.01
Humulene	1.00	0.10	0.01
Nerolidol	1.30	0.13	0.01
Guaiol	ND	ND	0.01
Caryophyllene oxide	0.10	0.01	0.01
α-Bisabolol	0.50	0.05	0.01

Heavy Metals

 PASS

Date Analyzed:

Instrument: ICPMS

Date Completed: 07/13/2023

Method: SOP-HM01

Calibration Date: 05/01/2023

Heavy Metals	Result (ppm)	LOQ (ppm)	Limit (ppm)	Status
Arsenic	<LOQ	0.05	0.20	Pass
Cadmium	<LOQ	0.05	0.20	Pass
Lead	ND	0.05	0.50	Pass
Mercury	<LOQ	0.05	0.10	Pass

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Pesticides

✓ PASS

Date Analyzed:
Instrument: LCMSMS

Date Completed: 07/13/2023
Method: SOP-PM01

Calibration Date: 05/15/2023

Pesticide	Result (ppb)	Result (ppm)	LOQ (ppm)	Limit (ppm)	Status
Abamectin	ND	ND	0.02	0.50	Pass
Azoxystrobin	ND	ND	0.02	0.20	Pass
Bifenazate	ND	ND	0.02	0.20	Pass
Etoazole	ND	ND	0.02	0.20	Pass
Imazalil	ND	ND	0.02	0.20	Pass
Imidacloprid	ND	ND	0.02	0.40	Pass
Malathion	ND	ND	0.02	0.20	Pass
Myclobutanil	ND	ND	0.02	0.20	Pass
Permethrin	ND	ND	0.02	0.20	Pass
Spinosad	ND	ND	0.02	0.20	Pass
Spiromesifen	ND	ND	0.02	0.20	Pass
Spirotetramat	ND	ND	0.02	0.20	Pass
Tebuconazole	ND	ND	0.02	0.40	Pass

Microbial Impurities

✓ PASS

Date Analyzed:
Instrument: qPCR

Date Completed: 07/13/2023
Method: SOP-Micro-01, 02, 03, 04, 05, 06, 07

Calibration Date: 08-05-2023

Microbials	Result (CFU/g)	Limit (CFU/g)	Status
Aspergillus Flavus	ND	1	Pass
Aspergillus Fumigatus	ND	1	Pass
Aspergillus Niger	ND	1	Pass
Aspergillus Terreus	ND	1	Pass
Yeast & Mold	ND	10000	Pass
E.coli	ND	1	Pass
Salmonella	ND	1	Pass

Dr. Luke Wang
Lab Director
08/16/2023