



**HighRes Labs Inc.**  
 501 E. 15th St, Suite 500C  
 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

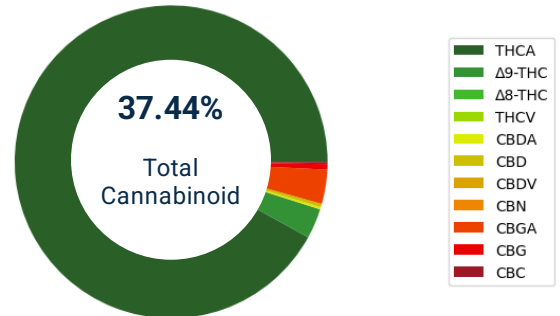


**Sample ID:** SAM-02/10/2023-4025  
**Strain Name:** Tropicana Cherry  
**Sample Matrix:** Flower  
**Sample Matrix Subtype:**  
**Sample Date:** 02/10/2023  
**Sample Batch ID:** 1A40E010000191E000000192  
**Client Sample Size(g):** 10

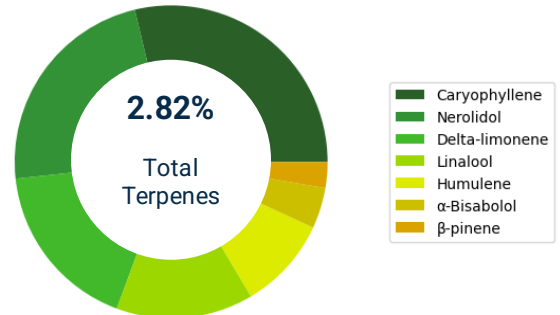
## Results Summary

<b>Foreign Materials &amp; Filth</b>	✓ PASS
02/22/2023	
<b>Moisture</b>	✓ PASS
02/22/2023	
<b>Water Activity</b>	✓ PASS
02/22/2023	
<b>Potency</b>	TESTED
02/22/2023	
<b>Terpenes</b>	TESTED
02/22/2023	
<b>Heavy Metals</b>	✓ PASS
02/22/2023	
<b>Pesticides</b>	✓ PASS
02/22/2023	
<b>Microbial Impurities</b>	✓ PASS
02/22/2023	

### Cannabinoid Distribution (%)



### Terpene Distribution (%)



The product represented has been tested by HighRes Labs using analytical instrumentation with proven and validated scientific methodologies compliant with Oklahoma Medical Marijuana Authority guidelines. The results in this COA apply only to the lot sampled, tested and described herein as tracked by State of Oklahoma contract system. HighRes Labs makes no claims as to the efficacy and/or safety of the product represented herein. This Certificate of Analysis may not be reproduced except in full without the express written consent of HighRes Labs. All quantitative measurements reported herein have a measurement uncertainty calculated internally and is available upon requested, comprehensive of estimated errors from the Sampling SOP utilized.



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## Foreign Materials & Filth

**PASS**
**Date Analyzed:** 02/22/2023**Instrument:** Microscope**Date Completed:** 02/22/2023**Method:** SOP-F01**Foreign Materials****Status**

Foreign Materials Analysis

Pass

Comments:

## Moisture

**PASS**
**Date Analyzed:** 02/22/2023**Instrument:** Moisture balance**Date Completed:** 02/22/2023**Method:** SOP-M01**Calibration Date:** 2-6-2023**Moisture****Result (%)****Specification (%)****Status**

Moisture

8

5-15

Pass

## Water Activity

**PASS**
**Date Analyzed:** 02/22/2023**Instrument:** Water activity meter**Date Completed:** 02/22/2023**Method:** SOP-W01**Calibration Date:** 2-6-2023**Water Activity****Result (Aw)****Limit (Aw)****Status**

Water Activity

0.29

0.65

Pass



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## Potency

**Date Analyzed:** 02/22/2023  
**Instrument:** HPLC

**Date Completed:** 02/22/2023  
**Method:** SOP-C01

**Calibration Date:** 2-6-2023

Cannabinoid	Result (%)	Result (mg/g)	LOQ (mg/g)
THCA	34.44	344.37	0.01
Δ9-THC	1.16	11.59	0.01
Δ8-THC	ND	ND	0.01
THCV	0.01	0.08	0.01
CBDA	0.08	0.81	0.01
CBD	0.13	1.30	0.01
CBDV	ND	ND	0.01
CBN	0.00	0.01	0.01
CBGA	1.32	13.22	0.01
CBG	0.22	2.19	0.01
CBC	0.08	0.81	0.01
<b>Total THC</b>	<b>31.36</b>	<b>313.61</b>	-
<b>Total CBD</b>	<b>0.20</b>	<b>2.00</b>	-
<b>Total Cannabinoids</b>	<b>37.44</b>	<b>374.37</b>	-
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: 02/22/2023

Instrument: GC-FID

Date Completed: 02/22/2023

Method: SOP-T01

Calibration Date: 2-6-2023

Terpene	Result (mg/g)	Result (%)	LOQ (mg/g)
α-Pinene	0.50	0.05	0.01
Camphene	0.10	0.01	0.01
Myrcene	0.40	0.04	0.01
β-pinene	0.70	0.07	0.01
3-Carene	ND	ND	0.01
Terpinene	ND	ND	0.01
Ocimene	ND	ND	0.01
Delta-limonene	4.60	0.46	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	0.10	0.01	0.01
Linalool	3.70	0.37	0.01
Isopulegol	0.10	0.01	0.01
Geraniol	0.60	0.06	0.01
Caryophyllene	7.50	0.75	0.01
Humulene	2.50	0.25	0.01
Nerolidol	6.00	0.60	0.01
Guaiol	ND	ND	0.01
Caryophyllene oxide	0.30	0.03	0.01
α-Bisabolol	1.10	0.11	0.01

## Heavy Metals

PASS

Date Analyzed: 02/22/2023

Instrument: ICPMS

Date Completed: 02/22/2023

Method: SOP-HM01

Calibration Date: 2-6-2023

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

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## Pesticides

✓ PASS

**Date Analyzed:** 02/22/2023  
**Instrument:** LCMSMS

**Date Completed:** 02/22/2023  
**Method:** SOP-PM01

**Calibration Date:** 2-6-2023

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:** 02/22/2023  
**Instrument:** Plating

**Date Completed:** 02/22/2023  
**Method:** Tested at Elevate Scientific

**Calibration Date:** 2-6-2023

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  
02/22/2023