



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

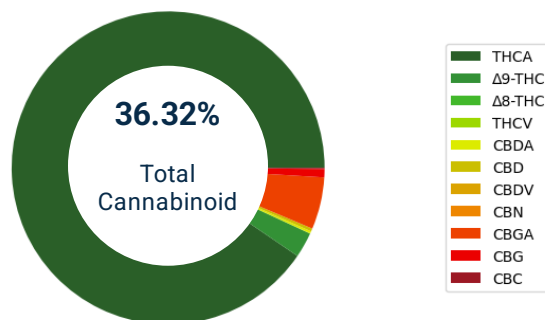


Sample ID: SAM-02/10/2023-4026
Strain Name: Miracle Alien Cookies
Sample Matrix: Flower
Sample Matrix Subtype:
Sample Date: 02/10/2023
Sample Batch ID: 1A40E010000191E000000194
Client Sample Size(g): 10

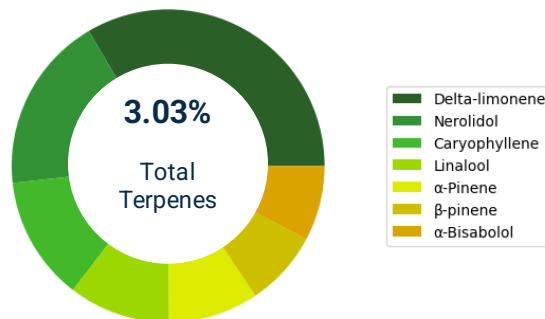
Results Summary

Foreign Materials & Filth	✓ PASS
02/22/2023	
Moisture	✓ PASS
02/22/2023	
Water Activity	✓ PASS
02/22/2023	
Potency	TESTED
02/22/2023	
Terpenes	TESTED
02/22/2023	
Heavy Metals	✓ PASS
02/22/2023	
Pesticides	✓ PASS
02/22/2023	
Microbial Impurities	✓ 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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Certificate of Analysis**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

6

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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Certificate of Analysis**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	32.86	328.61	0.01
Δ9-THC	0.95	9.49	0.01
Δ8-THC	ND	ND	0.01
THCV	0.01	0.12	0.01
CBDA	0.08	0.79	0.01
CBD	0.11	1.11	0.01
CBDV	ND	ND	0.01
CBN	0.00	0.02	0.01
CBGA	1.95	19.51	0.01
CBG	0.31	3.12	0.01
CBC	0.04	0.41	0.01
Total THC	29.77	297.68	-
Total CBD	0.18	1.79	-
Total Cannabinoids	36.32	363.17	-

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	2.40	0.24	0.01
Camphene	0.30	0.03	0.01
Myrcene	1.80	0.18	0.01
β-pinene	2.00	0.20	0.01
3-Carene	ND	ND	0.01
Terpinene	ND	ND	0.01
Ocimene	ND	ND	0.01
Delta-limonene	8.60	0.86	0.01
p-Cymene	ND	ND	0.01
β-Ocimene	0.40	0.04	0.01
Eucalyptol	ND	ND	0.01
γ-Terpinene	ND	ND	0.01
terpinolene	0.10	0.01	0.01
Linalool	2.70	0.27	0.01
Isopulegol	0.10	0.01	0.01
Geraniol	ND	ND	0.01
Caryophyllene	3.30	0.33	0.01
Humulene	1.60	0.16	0.01
Nerolidol	4.70	0.47	0.01
Guaiol	ND	ND	0.01
Caryophyllene oxide	0.30	0.03	0.01
α-Bisabolol	2.00	0.20	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	0.09	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