



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: AAA Grows

Address: 205 Oklahoma City, Oklahoma 73000

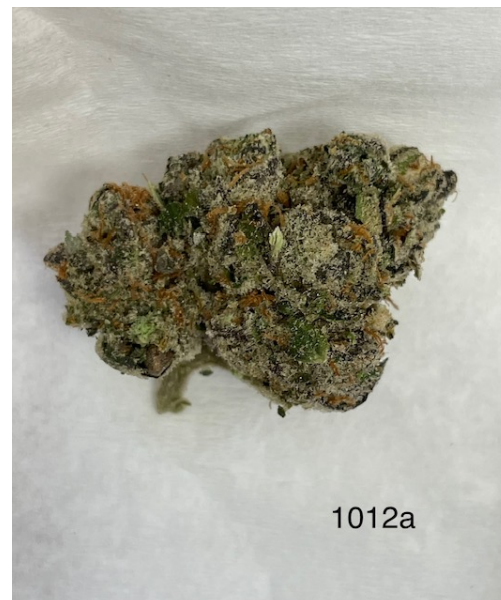


Phone: 4050000000

License Number: GAAA-AAAA-AAAA



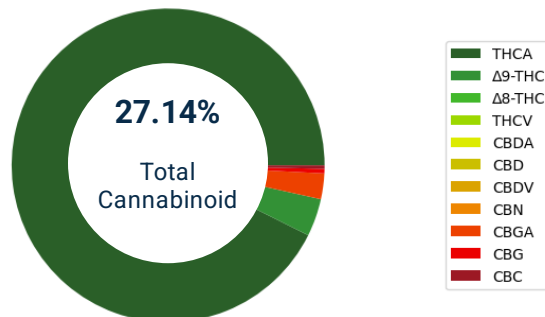
Sample ID: SAM-10/16/2022-2130
Strain Name: Cookie
Sample Matrix: Flower
Sample Matrix Subtype:
Sample Date: 10/12/2022
Sample Batch ID: 1A40E0100004D60000000430
Client Sample Size(g): 10



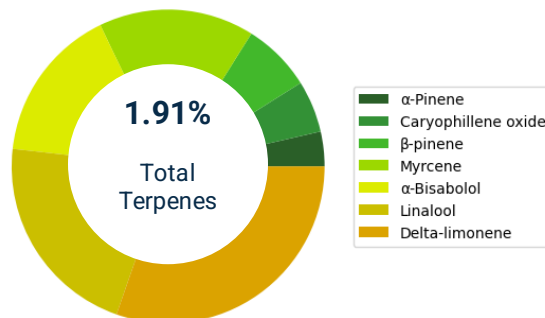
Results Summary

Foreign Materials & Filth	✓ PASS
10/25/2022	
Moisture	✓ PASS
10/25/2022	
Water Activity	✓ PASS
10/25/2022	
Potency	TESTED
10/25/2022	
Terpenes	TESTED
10/25/2022	
Heavy Metals	✓ PASS
10/25/2022	
Pesticides	✓ PASS
10/25/2022	
Microbial Impurities	✓ PASS
10/25/2022	

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: 10/16/2022

Instrument: Microscope

Date Completed: 10/25/2022

Method: SOP-F01

Foreign Materials

Status

Foreign Materials Analysis

Pass

Comments:

Moisture

PASS

Date Analyzed: 10/16/2022

Instrument: Moisture balance

Date Completed: 10/25/2022

Method: SOP-M01

Calibration Date: 10-3-2022

Moisture	Result (%)	Specification (%)	Status
Moisture	8	5-15	Pass

Water Activity

PASS

Date Analyzed: 10/16/2022

Instrument: Water activity meter

Date Completed: 10/25/2022

Method: SOP-W01

Calibration Date: 10-3-2022

Water Activity	Result (Aw)	Limit (Aw)	Status
Water Activity	0.44	0.65	Pass

Potency

Date Analyzed: 10/16/2022

Instrument: HPLC

Date Completed: 10/25/2022

Method: SOP-C01

Calibration Date: 10-3-2022

Cannabinoid	Result (%)	Result (mg/g)	LOQ (mg/g)
THCA	25.15	251.47	0.01
Δ9-THC	1.06	10.55	0.01
Δ8-THC	ND	ND	0.01
THCV	ND	ND	0.01
CBDA	ND	ND	0.01
CBD	ND	ND	0.01
CBDV	ND	ND	0.01
CBN	ND	ND	0.01
CBGA	0.72	7.17	0.01
CBG	0.13	1.27	0.01
CBC	0.10	0.96	0.01
Total THC	23.11	231.09	-
Total CBD	ND	ND	-
Total Cannabinoids	27.14	271.42	-

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: 10/16/2022

Instrument: GC-FID

Date Completed: 10/25/2022

Method: SOP-T01

Calibration Date: 10-3-2022

Terpene	Result (mg/g)	Result (%)	LOQ (mg/g)
α-Pinene	0.20	0.02	0.01
Camphene	ND	ND	0.01
Myrcene	0.90	0.09	0.01
β-pinene	0.40	0.04	0.01
3-Carene	ND	ND	0.01
Terpinene	ND	ND	0.01
Ocimene	ND	ND	0.01
Delta-limonene	1.70	0.17	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	1.20	0.12	0.01
Isopulegol	ND	ND	0.01
Geraniol	ND	ND	0.01
Caryophyllene	6.80	0.68	0.01
Humulene	3.40	0.34	0.01
Nerolidol	3.30	0.33	0.01
Guaiol	ND	ND	0.01
Caryophyllene oxide	0.30	0.03	0.01
α-Bisabolol	0.90	0.09	0.01

Heavy Metals

PASS

Date Analyzed: 10/16/2022

Instrument: ICPMS

Date Completed: 10/25/2022

Method: SOP-HM01

Calibration Date: 10-3-2022

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: 10/16/2022

Instrument: LCMSMS

Date Completed: 10/25/2022

Method: Tested by Elevated Scientific

Calibration Date: 10-3-2022

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
Etoxazole	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: 10/16/2022

Instrument: qPCR

Date Completed: 10/25/2022

Method: SOP-Micro-01, 02, 03, 04, 05, 06, 07

Calibration Date: 10-3-2022

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
10/26/2022