

## Grow Sciences

Grow Sciences  
Phoenix, AZ 85032  
help@growsciences.com  
(480) 442-5621  
Lic. #00000114ESQS66067289


Sample: 2311LVL1236.6618

Strain: MAC  
Batch#: H.MA231024.A02; Batch Size: 11 g  
Sample Received: 11/07/2023; Report Created: 11/14/2023; Expires: 11/14/2024  
Sampling Date: , Sampling Time:  
Harvest Date: 10/24/2023; Manufacturing Date:

## MAC

Plant, Flower - Cured, Indoor



	25.79%	ND	30.72%
	Total THC	Total CBD	
	14.71 mg/g	Complete 7.6%	Total Cannabinoids
	Total Terpenes	Moisture	

## Cannabinoids

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.156	28.801	288.01	
Δ9-THC	0.156	0.528	5.28	
Δ8-THC	0.156	ND	ND	
THCVa	0.156	0.229	2.29	
THCV	0.156	ND	ND	
CBDa	0.156	ND	ND	
CBD	0.156	ND	ND	
CBDVa	0.156	ND	ND	
CBDV	0.156	ND	ND	
CBN	0.156	ND	ND	
CBGa	0.156	1.160	11.60	
CBG	0.156	<LOQ	<LOQ	
CBC	0.156	ND	ND	
<b>Total</b>		<b>30.718</b>	<b>307.18</b>	

Qualifiers:  
Date Tested: 11/08/2023 07:00 am

Total THC = THCa \* 0.877 + d9-THC

Total CBD = CBDa \* 0.877 + CBD

The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Cannabinoid potency performed by HPLC-DAD per SOP-(1608). ADHS approved method for potency by HPLC-DAD for all listed analytes.

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## Terpenes

Analyte	LOQ	Mass	MassQualifier	Analyte	LOQ	Mass	MassQualifier
	mg/g	mg/g	%		mg/g	mg/g	%
δ-Limonene	0.19	3.96	0.396	Citronellol	0.95	ND	ND
β-Caryophyllene	0.19	3.49	0.349	Eucalyptol	0.09	ND	ND
α-Pinene	0.09	1.81	0.181	Farnesene	0.02	ND	ND
α-Humulene	0.09	0.96	0.096	Fenchone	0.19	<LOQ	<LOQ
Linalool	0.19	0.89	0.089	γ-Terpinene	0.09	ND	ND
α-Bisabolol	0.09	0.67	0.067	γ-Terpineol	0.02	ND	ND
β-Myrcene	0.09	0.66	0.066	Geraniol	1.89	ND	ND
β-Pinene	0.19	0.60	0.060	Geranyl Acetate	0.09	ND	ND
Fenchol	0.09	0.60	0.060	Guaiol	0.09	ND	ND
α-Terpineol	0.15	0.52	0.052	Isoborneol	0.95	ND	ND
cis-Ocimene	0.03	0.27	0.027	Isopulegol	0.09	ND	ND
Camphene	0.09	0.17	0.017	Menthol	0.09	ND	ND
Caryophyllene Oxide	0.09	0.11	0.011	Nerol	0.09	ND	ND
3-Carene	0.19	ND	ND	Pulegone	0.09	ND	ND
α-Cedrene	0.09	ND	ND	p-Cymene	0.09	ND	ND
α-Phellandrene	0.09	ND	ND	Sabinene	0.09	ND	ND
α-Terpinene	0.09	ND	ND	Sabinene Hydrate	0.09	ND	ND
β-Eudesmol	0.09	ND	ND	Terpinolene	0.19	<LOQ	<LOQ
Borneol	0.28	<LOQ	<LOQ	trans-Nerolidol	0.09	ND	ND
Camphor	0.38	ND	ND	trans-Ocimene	0.06	<LOQ	<LOQ
Cedrol	0.09	ND	ND	Valencene	0.09	ND	ND
cis-Nerolidol	0.19	ND	ND				


## Primary Aromas




Lemon




Cinnamon



Pine



Hops



Lavender

**14.71 mg/g**  
Total Terpenes

Qualifiers:  
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Plant, Flower - Cured, Indoor



## Pesticides

Pass

Analyte	LOQ	Limit	Units	Status	Qualifier	Analyte	LOQ	Limit	Units	Status	Qualifier
	PPM	PPM	PPM				PPM	PPM	PPM		
Abamectin	0.030	0.500	ND	Pass	M2	Hexythiazox	0.040	1.000	ND	Pass	
Acephate	0.040	0.400	ND	Pass		Imazail	0.050	0.200	ND	Pass	
Acetamiprid	0.040	0.200	ND	Pass		Imidacloprid	0.050	0.400	ND	Pass	M1
Aldicarb	0.050	0.400	ND	Pass		Kresoxim Methyl	0.040	0.400	ND	Pass	M2
Azoxystrobin	0.050	0.200	ND	Pass		Malathion	0.040	0.200	ND	Pass	
Bifenazate	0.050	0.200	ND	Pass		Metalaxyl	0.040	0.200	ND	Pass	
Bifenthrin	0.050	0.200	ND	Pass		Methiocarb	0.040	0.200	ND	Pass	
Boscalid	0.040	0.400	ND	Pass		Methomyl	0.050	0.400	ND	Pass	
Carbaryl	0.050	0.200	ND	Pass		Myclobutanil	0.050	0.200	ND	Pass	
Carbofuran	0.050	0.200	ND	Pass		Naled	0.040	0.500	ND	Pass	
Chlorantraniliprole	0.040	0.200	ND	Pass		Oxamyl	0.040	1.000	ND	Pass	
Chlorfenapyr	0.460	1.000	ND	Pass		Paclobutrazol	0.050	0.400	ND	Pass	
Chlorpyrifos	0.050	0.200	ND	Pass		Permethrins	0.050	0.200	ND	Pass	L1 M2 V1
Clofentezine	0.050	0.200	ND	Pass	M2	Phosmet	0.040	0.200	ND	Pass	
Cyfluthrin	0.450	1.000	ND	Pass		Piperonyl Butoxide	0.040	2.000	ND	Pass	M1
Cypermethrin	0.050	1.000	ND	Pass		Prallethrin	0.040	0.200	ND	Pass	
Daminozide	0.450	1.000	ND	Pass		Propiconazole	0.050	0.400	ND	Pass	
Dichlorvos (DDVP)	0.050	0.100	ND	Pass		Propoxur	0.050	0.200	ND	Pass	
Diazinon	0.050	0.200	ND	Pass		Pyrethrins	0.460	1.000	ND	Pass	M1
Dimethoate	0.050	0.200	ND	Pass		Pyridaben	0.050	0.200	ND	Pass	
Ethoprophos	0.040	0.200	ND	Pass		Spinosad	0.050	0.200	ND	Pass	
Etofenprox	0.050	0.400	ND	Pass		Spiromesifen	0.050	0.200	ND	Pass	
Etoxazole	0.040	0.200	ND	Pass		Spirotetramat	0.050	0.200	ND	Pass	
Fenoxycarb	0.050	0.200	ND	Pass		Spiroxamine	0.040	0.400	ND	Pass	
Fenpyroximate	0.050	0.400	ND	Pass		Tebuconazole	0.050	0.400	ND	Pass	M2
Fipronil	0.040	0.400	ND	Pass	M1	Thiacloprid	0.050	0.200	ND	Pass	
Fonicamid	0.050	1.000	ND	Pass		Thiamethoxam	0.050	0.200	ND	Pass	
Fludioxonil	0.040	0.400	ND	Pass		Trifloxystrobin	0.050	0.200	ND	Pass	

## Herbicides

Analyte	LOQ	Limit	Units	Status
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### Qualifiers:

Date Tested: 11/08/2023 07:00 am  
Performed by LCMSMS per SOP-LM-021 and SOP-LM-022. ND = Not Detected; NR = Not Reported. Methods used per AZDHS R9-17-404.03 and pesticide limits set by AZDHS R9-17 Table 3.1. ADHS approved method for pesticide testing by LCMSMS for full list effective 5/1/2021.





# Certificate of Analysis

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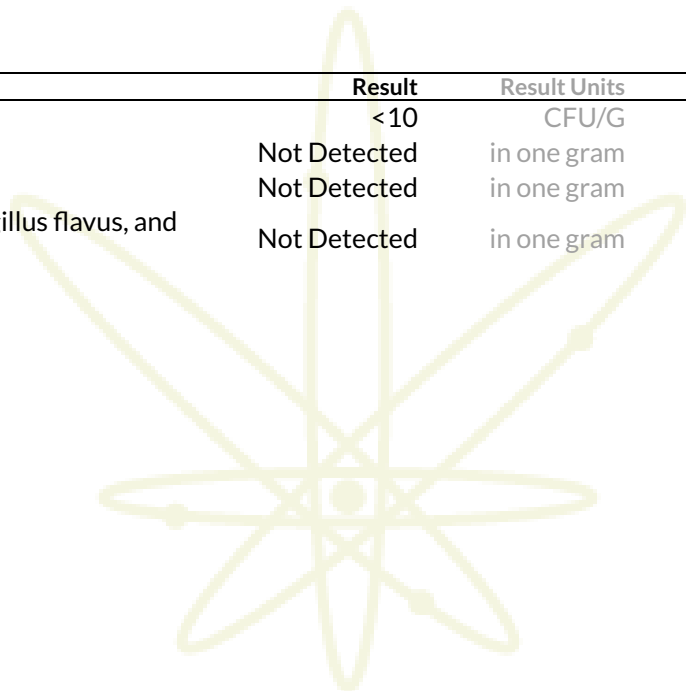
Plant, Flower - Cured, Indoor



## Microbials

Pass

Analyte	Result	Result Units	Status	Qualifier
E. Coli	<10	CFU/G	Pass	
Salmonella	Not Detected	in one gram	Pass	
Aspergillus terreus	Not Detected	in one gram	Pass	
Aspergillus fumigatus, Aspergillus flavus, and Aspergillus niger	Not Detected	in one gram	Pass	



# LEVEL ONE

Qualifiers:  
Date Tested: 11/09/2023 12:00 am

TNTC = Too Numerous to Count. The lower limit of quantification for E. coli is 10 CFU/g unless noted on the CoA by further dilution. Unless otherwise stated all quality control samples performed within specifications. Analysis Method/Instrumentation: E. coli plating via 3M Petrifilm per SOP-LM-019, Salmonella spp. And Aspergillus spp. detection by Bio-Rad CFX96 Deep Well real-time PCR per SOP-LM-016 & SOP-LM-017. Methods used per AZDHS R9-17-404.04 and microbial limits set by AZDHS R9-17 Table 3.1. ADHS approved method for microbials for all listed organisms.



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Laboratory Director

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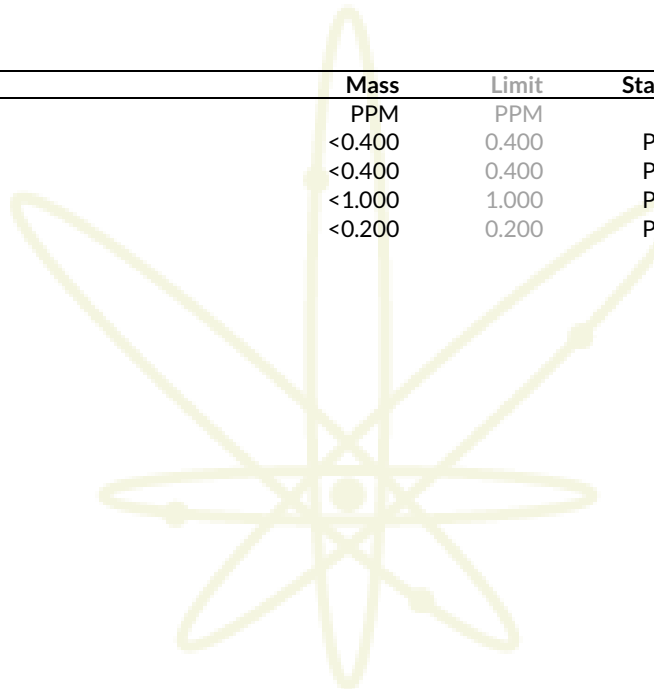
Plant, Flower - Cured, Indoor



## Heavy Metals

Pass

Analyte	Mass	Limit	Status	Qualifier
	PPM	PPM		
Arsenic	<0.400	0.400	Pass	
Cadmium	<0.400	0.400	Pass	
Lead	<1.000	1.000	Pass	
Mercury	<0.200	0.200	Pass	



# LEVEL ONE

Qualifiers:  
Date Tested: 11/14/2023 12:00 am

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