

Grow Sciences

Grow Sciences
Phoenix, AZ 85032
help@growsciences.com
(480) 442-5621
Lic. #00000012ESIS11195422

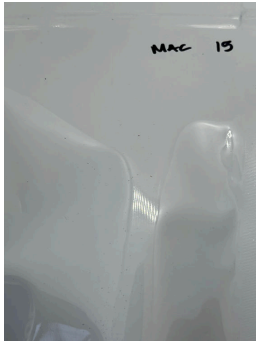
Sample: 2309LVL0977.5096

Strain: MAC
Batch#: H.MA230824.A15; Batch Size: 12 g
Sample Received: 09/05/2023; Report Created: 09/12/2023; Expires: 09/12/2024
Sampling Date: , Sampling Time:
Harvest Date: ; Manufacturing Date:

MAC

Plant, Flower - Cured, Indoor



	22.22%	ND	26.42%
	Total THC	Total CBD	
	16.73 mg/g	Complete 6.7%	Total Cannabinoids
	Total Terpenes	Moisture	

Cannabinoids

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.169	24.825	248.25	
Δ9-THC	0.169	0.449	4.49	
Δ8-THC	0.169	ND	ND	
THCVa	0.169	0.201	2.01	
THCV	0.169	ND	ND	
CBDa	0.169	ND	ND	
CBD	0.169	ND	ND	
CBDVa	0.169	<LOQ	<LOQ	
CBDV	0.169	ND	ND	
CBN	0.169	ND	ND	
CBGa	0.169	0.948	9.48	
CBG	0.169	ND	ND	
CBC	0.169	ND	ND	
Total		26.423	264.23	

Qualifiers:
Date Tested: 09/07/2023 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	0.21	4.77	0.477	Citronellol	1.05	ND	ND
β-Caryophyllene	0.21	3.43	0.343	Eucalyptol	0.10	ND	ND
α-Pinene	0.10	2.22	0.222	Farnesene	0.02	ND	ND
α-Humulene	0.10	1.05	0.105	Fenchone	0.21	<LOQ	<LOQ
Linalool	0.21	1.03	0.103	γ-Terpinene	0.10	ND	ND
Fenchol	0.10	0.94	0.094	γ-Terpineol	0.02	ND	ND
β-Pinene	0.21	0.77	0.077	Geraniol	2.09	ND	ND
α-Terpineol	0.17	0.70	0.070	Geranyl Acetate	0.10	ND	ND
α-Bisabolol	0.10	0.69	0.069	Guaiol	0.10	ND	ND
β-Myrcene	0.10	0.57	0.057	Isoborneol	1.05	ND	ND
cis-Ocimene	0.03	0.24	0.024	Isopulegol	0.10	ND	ND
Camphene	0.10	0.18	0.018	Menthol	0.10	ND	ND
Caryophyllene Oxide	0.10	0.14	0.014	Nerol	0.10	ND	ND
3-Carene	0.21	ND	ND	Pulegone	0.10	ND	ND
α-Cedrene	0.10	ND	ND	p-Cymene	0.10	ND	ND
α-Phellandrene	0.10	ND	ND	Sabinene	0.10	ND	ND
α-Terpinene	0.10	ND	ND	Sabinene Hydrate	0.10	ND	ND
β-Eudesmol	0.10	ND	ND	Terpinolene	0.21	<LOQ	<LOQ
Borneol	0.31	<LOQ	<LOQ	trans-Nerolidol	0.10	ND	ND
Camphor	0.42	ND	ND	trans-Ocimene	0.07	<LOQ	<LOQ
Cedrol	0.10	ND	ND	Valencene	0.10	ND	ND
cis-Nerolidol	0.21	ND	ND				


Primary Aromas




Lemon




Cinnamon



Pine



Hops



Lavender

16.73 mg/g
Total Terpenes

Qualifiers:
Date Tested: 09/08/2023 07:00 am

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Certificate of Analysis

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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	0.040	0.500	ND	Pass	L1 M2 V1	Hexythiazox	0.050	1.000	ND	Pass	
Acephate	0.040	0.400	ND	Pass		Imazailil	0.050	0.200	ND	Pass	
Acequinocyl	0.460	2.000	ND	Pass		Imidacloprid	0.050	0.400	ND	Pass	
Acetamiprid	0.050	0.200	ND	Pass		Kresoxim Methyl	0.040	0.400	ND	Pass	M1
Aldicarb	0.050	0.400	ND	Pass		Malathion	0.050	0.200	ND	Pass	
Azoxystrobin	0.050	0.200	ND	Pass	R1	Metalaxyl	0.050	0.200	ND	Pass	
Bifenazate	0.050	0.200	ND	Pass		Methiocarb	0.040	0.200	ND	Pass	
Bifenthrin	0.050	0.200	ND	Pass	L1	Methomyl	0.050	0.400	ND	Pass	
Boscalid	0.040	0.400	ND	Pass	V1	Myclobutanil	0.050	0.200	ND	Pass	
Carbaryl	0.050	0.200	ND	Pass		Naled	0.050	0.500	ND	Pass	
Carbofuran	0.050	0.200	ND	Pass		Oxamyl	0.050	1.000	ND	Pass	
Chlorantraniliprole	0.050	0.200	ND	Pass	L1 M1 V1	Paclobutrazol	0.050	0.400	ND	Pass	V1
Chlorfenapyr	0.460	1.000	ND	Pass		Permethrins	0.050	0.200	ND	Pass	L1 M2 V1
Chlorpyrifos	0.050	0.200	ND	Pass		Phosmet	0.050	0.200	ND	Pass	
Clofentezine	0.050	0.200	ND	Pass		Piperonyl Butoxide	0.040	2.000	ND	Pass	
Cyfluthrin	0.460	1.000	ND	Pass		Prallethrin	0.050	0.200	ND	Pass	
Cypermethrin	0.050	1.000	ND	Pass	M2	Propiconazole	0.050	0.400	ND	Pass	M1
Daminozide	0.460	1.000	ND	Pass	V1	Propoxur	0.050	0.200	ND	Pass	
Dichlorvos (DDVP)	0.050	0.100	ND	Pass		Pyrethrins	0.470	1.000	ND	Pass	L1 M1 M2 V1
Diazinon	0.050	0.200	ND	Pass	M1	Pyridaben	0.050	0.200	ND	Pass	
Dimethoate	0.050	0.200	ND	Pass		Spinosad	0.050	0.200	ND	Pass	L1 M1
Ethoprophos	0.050	0.200	ND	Pass		Spiromesifen	0.050	0.200	ND	Pass	
Etofenprox	0.050	0.400	ND	Pass	M2	Spirotetramat	0.050	0.200	ND	Pass	
Etoazole	0.050	0.200	ND	Pass		Spiroxamine	0.050	0.400	ND	Pass	
Fenoxycarb	0.050	0.200	ND	Pass		Tebuconazole	0.050	0.400	ND	Pass	M1
Fenpyroximate	0.050	0.400	ND	Pass	M2	Thiacloprid	0.050	0.200	ND	Pass	
Fipronil	0.050	0.400	ND	Pass		Thiamethoxam	0.050	0.200	ND	Pass	
Fonicamid	0.050	1.000	ND	Pass		Trifloxystrobin	0.050	0.200	ND	Pass	
Fludioxonil	0.050	0.400	ND	Pass							

Herbicides

Analyte	LOQ	Limit	Units	Status
	PPM	PPM	PPM	
Pendimethalin	0.050	0.100	NR	NT

Qualifiers:

Date Tested: 09/08/2023 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.



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Matthew Schuberth
Laboratory Director

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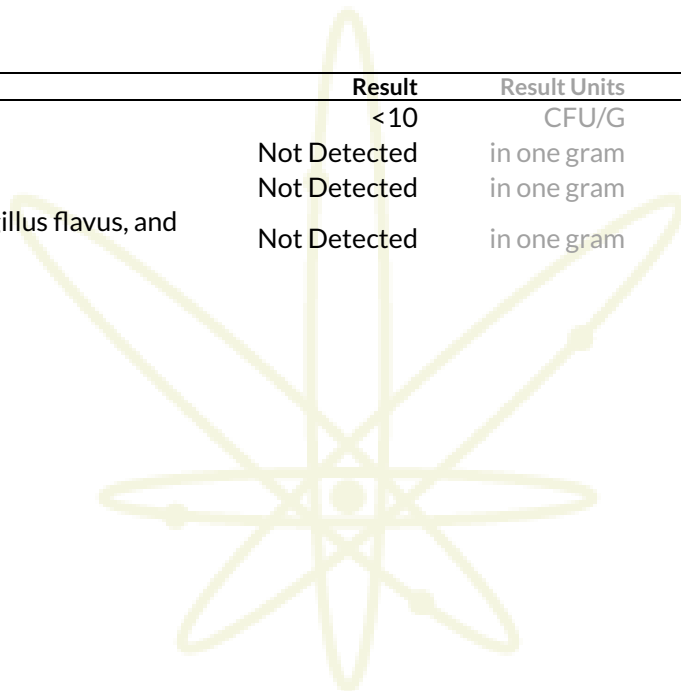
Plant, Flower - Cured, Indoor



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: 09/07/2023 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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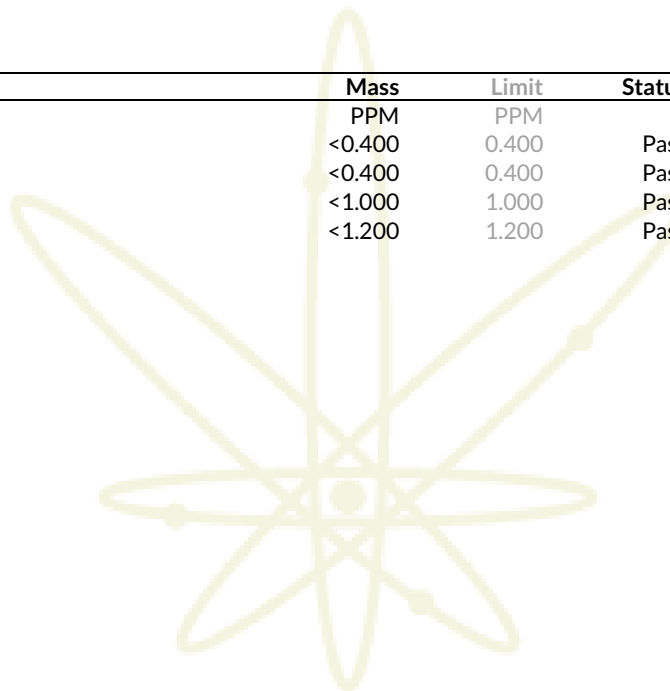
Plant, Flower - Cured, Indoor



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	<1.200	1.200	Pass	



LEVEL ONE

Qualifiers:
Date Tested: 09/07/2023 07:00 am

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