

Modified Grapes (Batch ID: 309MGP122123)

Sample ID: 2401APO0186.0871
Strain: Modified Grapes #1
Matrix: Plant
Type: Flower - Cured
Source Batch #:

Produced:
Collected: 01/16/2024 12:53 pm
Received: 01/16/2024
Completed: 01/22/2024
Batch #: 309MGP122123
Harvest Date:

Client
Sonoran Roots
Lic. # 00000037DCDM00904008

Lot #:
Production Date:
Production Method:



Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	01/17/2024	Complete
Terpenes	01/22/2024	Complete
Microbials	01/19/2024	Pass
Pesticides	01/17/2024	Pass
Heavy Metals	01/18/2024	Pass

Cannabinoids

Complete



Analyte	LOD	LOQ	Result	Result	Q
	%	%	%	mg/g	
THCa		0.1000	25.7500	257.500	
Δ9-THC		0.1000	0.2746	2.746	
Δ8-THC		0.1000	ND	ND	
THCV		0.1000	ND	ND	
CBDa		0.1000	<LOQ	<LOQ	
CBD		0.1000	ND	ND	
CBDVa		0.1000	ND	ND	
CBDV		0.1000	ND	ND	
CBN		0.1000	ND	ND	
CBGa		0.1000	1.1097	11.097	
CBG		0.1000	<LOQ	<LOQ	
CBC		0.1000	ND	ND	
Total THC			22.8574	228.5740	
Total CBD			<LOQ	<LOQ	
Total			27.1344	271.344	

Date Tested: 01/17/2024 07:00 am



Bryant Kearl
Lab Director
01/22/2024

Confident LIMS
All Rights Reserved
coa.support@confidentlims.com
(866) 506-5866
www.confidentlims.com



ARIZONA DEPARTMENT OF HEALTH SERVICES' WARNING:

Marijuana use can be addictive and can impair an individual's ability to drive a motor vehicle or operate heavy machinery. Marijuana smoke contains carcinogens and can lead to an increased risk for cancer, tachycardia, hypertension, heart attack, and lung infection. Marijuana use may affect the health of a pregnant woman and the unborn child. Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child;

KEEP OUT OF REACH OF CHILDREN.

The product associated with the COA has been tested by Apollo Labs using validated state certified testing methodologies as required by Arizona state law. Values reported herein relate only to the specific sample of product submitted by Client for testing. Apollo Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Apollo Labs.

Modified Grapes (Batch ID: 309MGP122123)

Sample ID: 2401APO0186.0871
Strain: Modified Grapes #1

Matrix: Plant
Type: Flower - Cured
Source Batch #:

Produced:
Collected: 01/16/2024 12:53 pm
Received: 01/16/2024
Completed: 01/22/2024
Batch #: 309MGP122123
Harvest Date:

Client
Sonoran Roots
Lic. # 00000037DCDM00904008

Lot #:
Production Date:
Production Method:

Pesticides

Pass

Analyte	LOQ	Limit	Mass	Q	Status	Analyte	LOQ	Limit	Mass	Q	Status
	PPM	PPM	PPM				PPM	PPM	PPM		
Abamectin	0.2500	0.5000	ND	M1	Pass	Hexythiazox	0.5000	1.0000	ND	M2	Pass
Acephate	0.2000	0.4000	ND		Pass	Imazalil	0.1000	0.2000	ND	R1	Pass
Acetamiprid	0.1000	0.2000	ND		Pass	Imidacloprid	0.2000	0.4000	ND		Pass
Aldicarb	0.2000	0.4000	ND		Pass	Kresoxim Methyl	0.2000	0.4000	ND		Pass
Azoxystrobin	0.1000	0.2000	ND		Pass	Malathion	0.1000	0.2000	ND		Pass
Bifenazate	0.1000	0.2000	ND		Pass	Metaxyl	0.1000	0.2000	ND		Pass
Bifenthrin	0.1000	0.2000	ND	M2	Pass	Methiocarb	0.1000	0.2000	ND		Pass
Boscalid	0.2000	0.4000	ND		Pass	Methomyl	0.2000	0.4000	ND		Pass
Carbaryl	0.1000	0.2000	ND		Pass	Myclobutanil	0.1000	0.2000	ND		Pass
Carbofuran	0.1000	0.2000	ND		Pass	Naled	0.2500	0.5000	ND		Pass
Chlorantraniliprole	0.1000	0.2000	ND		Pass	Oxamyl	0.5000	1.0000	ND		Pass
Chlorfenapyr	0.5000	1.0000	ND	M2	Pass	Pacllobutrazol	0.2000	0.4000	ND		Pass
Chlorpyrifos	0.1000	0.2000	ND	M2	Pass	Permethrins	0.1000	0.2000	ND	M2	Pass
Clofentezine	0.1000	0.2000	ND		Pass	Phosmet	0.1000	0.2000	ND		Pass
Cyfluthrin	0.5000	1.0000	ND	M2	Pass	Piperonyl	1.0000	2.0000	ND		Pass
Cypermethrin	0.5000	1.0000	ND		Pass	Butoxide	0.1000	0.2000	ND		Pass
Daminozide	0.5000	1.0000	ND		Pass	Prallethrin	0.2000	0.4000	ND	M1	Pass
Diazinon	0.1000	0.2000	ND		Pass	Propiconazole	0.2000	0.4000	ND		Pass
Dichlorvos	0.0500	0.1000	ND		Pass	Propoxur	0.1000	0.2000	ND		Pass
Dimethoate	0.1000	0.2000	ND		Pass	Pyrethrins	0.5000	1.0000	ND	M2	Pass
Ethoprophos	0.1000	0.2000	ND		Pass	Pyridaben	0.1000	0.2000	ND		Pass
Etofenprox	0.2000	0.4000	ND		Pass	Spinosad	0.1000	0.2000	ND	M1, V1M1	Pass
Etoxazole	0.1000	0.2000	ND		Pass	Spiromesifen	0.1000	0.2000	ND		Pass
Fenoxycarb	0.1000	0.2000	ND	M2	Pass	Spirotetramat	0.1000	0.2000	ND	M1	Pass
Fenpyroximate	0.2000	0.4000	ND	M2	Pass	Spiroxamine	0.2000	0.4000	ND	V1M1	Pass
Fipronil	0.2000	0.4000	ND		Pass	Tebuconazole	0.2000	0.4000	ND		Pass
Flonicamid	0.5000	1.0000	ND		Pass	Thiacloprid	0.1000	0.2000	ND		Pass
Fludioxonil	0.2000	0.4000	ND		Pass	Thiamethoxam	0.1000	0.2000	ND		Pass
						Trifloxystrobin	0.1000	0.2000	ND	M2	Pass

Date Tested: 01/17/2024 07:00 am



Bryant Kearl
Lab Director
01/22/2024

Confident LIMS
All Rights Reserved
coa.support@confidentlims.com
(866) 506-5866
www.confidentlims.com



ARIZONA DEPARTMENT OF HEALTH SERVICES' WARNING:

Marijuana use can be addictive and can impair an individual's ability to drive a motor vehicle or operate heavy machinery. Marijuana smoke contains carcinogens and can lead to an increased risk for cancer, tachycardia, hypertension, heart attack, and lung infection. Marijuana use may affect the health of a pregnant woman and the unborn child. Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child;

KEEP OUT OF REACH OF CHILDREN.

The product associated with the COA has been tested by Apollo Labs using validated state certified testing methodologies as required by Arizona state law. Values reported herein relate only to the specific sample of product submitted by Client for testing. Apollo Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Apollo Labs.

Modified Grapes (Batch ID: 309MGP122123)

Sample ID: 2401APO0186.0871
Strain: Modified Grapes #1
Matrix: Plant
Type: Flower - Cured
Source Batch #:

Produced:
Collected: 01/16/2024 12:53 pm
Received: 01/16/2024
Completed: 01/22/2024
Batch #: 309MGP122123
Harvest Date:

Client
Sonoran Roots
Lic. # 00000037DCDM00904008

Lot #:
Production Date:
Production Method:

Microbials

Pass

Analyte	Limit	Result	Status	Q
Salmonella SPP	Detected/Not Detected in 1g	ND	Pass	
Aspergillus Flavus Aspergillus Fumigatus or Aspergillus Niger	Detected/Not Detected in 1g	ND	Pass	
Aspergillus terreus	Detected/Not Detected in 1g	ND	Pass	

Analyte	LOQ	Limit	Result	Status	Q
E. Coli	CFU/g 10.0	CFU/g 100.0	CFU/g < 10 CFU/g	Pass	

Date Tested: 01/19/2024 12:00 am

Mycotoxins

Not Tested

Analyte	LOD	LOQ	Limit	Units	Status	Q
---------	-----	-----	-------	-------	--------	---

Date Tested:

Heavy Metals

Pass

Analyte	LOD	LOQ	Limit	Units	Status	Q
Arsenic	PPM 0.0660	PPM 0.1330	PPM 0.4000	PPM ND	Pass	
Cadmium	0.0660	0.1330	0.4000	ND	Pass	
Lead	0.1660	0.3330	1.0000	ND	Pass	
Mercury	0.0330	0.0660	0.2000	ND	Pass	

Date Tested: 01/18/2024 07:00 am



Bryant Kearl
Lab Director
01/22/2024

Confident LIMS
All Rights Reserved
coa.support@confidentlims.com
(866) 506-5866
www.confidentlims.com



ARIZONA DEPARTMENT OF HEALTH SERVICES' WARNING:
Marijuana use can be addictive and can impair an individual's ability to drive a motor vehicle or operate heavy machinery. Marijuana smoke contains carcinogens and can lead to an increased risk for cancer, tachycardia, hypertension, heart attack, and lung infection. Marijuana use may affect the health of a pregnant woman and the unborn child. Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child;
KEEP OUT OF REACH OF CHILDREN.
The product associated with the COA has been tested by Apollo Labs using validated state certified testing methodologies as required by Arizona state law. Values reported herein relate only to the specific sample of product submitted by Client for testing. Apollo Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Apollo Labs.

Modified Grapes (Batch ID: 309MGP122123)

Sample ID: 2401APO0186.0871
Strain: Modified Grapes #1

Matrix: Plant
Type: Flower - Cured
Source Batch #:

Produced:
Collected: 01/16/2024 12:53 pm
Received: 01/16/2024
Completed: 01/22/2024
Batch #: 309MGP122123
Harvest Date:

Client
Sonoran Roots
Lic. # 00000037DCDM00904008

Lot #:
Production Date:
Production Method:

Terpenes

Analyte	LOQ	Mass	Mass	Q	Analyte	LOQ	Mass	Mass	Q
	%	%	mg/g			%	%	mg/g	
D,L-Limonene	0.0010	0.6565	6.565	Q3	Cedrol	0.0010	ND	ND	Q3
α-Pinene	0.0010	0.2896	2.896	Q3	cis-Citral	0.0010	ND	ND	Q3
β-Pinene	0.0010	0.1970	1.970	Q3	cis-Farnesol	0.0010	ND	ND	Q3
β-Caryophyllene	0.0010	0.1413	1.413	Q3	cis-Nerolidol	0.0010	ND	ND	Q3
β-Myrcene	0.0010	0.1187	1.187	Q3	Citronellol	0.0010	ND	ND	Q3
Linalool	0.0010	0.1089	1.089	Q3	Eucalyptol	0.0010	ND	ND	Q3
Endo-Fenchyl Alcohol	0.0010	0.0713	0.713	Q3	γ-Terpinene	0.0010	ND	ND	Q3
α-Terpineol	0.0010	0.0526	0.526	Q3	Geranyl Acetate	0.0010	ND	ND	Q3
cis-beta-Ocimene	0.0010	0.0470	0.470	Q3	Guaiol	0.0010	ND	ND	Q3
α-Humulene	0.0010	0.0406	0.406	Q3	Isoborneol	0.0010	ND	ND	Q3
Camphene	0.0010	0.0268	0.268	Q3	Isobornyl Acetate	0.0010	ND	ND	Q3
α-Bisabolol	0.0010	0.0207	0.207	Q3	Isopulegol	0.0010	ND	ND	Q3
Caryophyllene Oxide	0.0010	0.0106	0.106	Q3	m-Cymene	0.0010	ND	ND	Q3
trans-beta-Ocimene	0.0010	0.0083	0.083	Q3	Menthol	0.0010	ND	ND	Q3
Fenchone	0.0010	0.0077	0.077	Q3	L-Menthone	0.0010	ND	ND	Q3
Camphor	0.0010	0.0075	0.075	Q3	Nerol	0.0010	ND	ND	Q3
Terpinolene	0.0010	0.0056	0.056	Q3	Nootkatone	0.0010	ND	ND	Q3
Geraniol	0.0010	0.0032	0.032	Q3	o,p-Cymene	0.0010	ND	ND	Q3
Sabinene Hydrate	0.0010	0.0024	0.024	Q3	Octyl Acetate	0.0010	ND	ND	Q3
Valencene	0.0010	0.0019	0.019	Q3	Phytane	0.0010	ND	ND	Q3
3-Carene	0.0010	ND	ND	Q3	Piperitone	0.0010	ND	ND	Q3
α-Cedrene	0.0010	ND	ND	Q3	Pulegone	0.0010	ND	ND	Q3
α-Phellandrene	0.0010	ND	ND	Q3	Sabinene	0.0010	ND	ND	Q3
α-Terpinene	0.0010	ND	ND	Q3	Safranal	0.0010	ND	ND	Q3
α-Thujone	0.0010	ND	ND	Q3	Terpinen-4-ol	0.0010	ND	ND	Q3
trans-β-Farnesene	0.0010	ND	ND	Q3	Thymol	0.0010	ND	ND	Q3
D,L-Borneol	0.0010	ND	ND	Q3	trans-Citral	0.0010	ND	ND	Q3
Carvacrol	0.0010	ND	ND	Q3	trans-Nerolidol	0.0010	ND	ND	Q3
Carvone	0.0010	ND	ND	Q3	Verbenone	0.0010	ND	ND	Q3
						Total	1.8179	18.179	

Primary Aromas



Orange



Pine



Cinnamon



Hops



Lavender

Date Tested: 01/22/2024 12:00 am
Terpenes analysis is not regulated by AZDHS.



[Signature]

Bryant Kearl
Lab Director
01/22/2024

Confident LIMS
All Rights Reserved
coa.support@confidentlims.com
(866) 506-5866
www.confidentlims.com



ARIZONA DEPARTMENT OF HEALTH SERVICES' WARNING:
Marijuana use can be addictive and can impair an individual's ability to drive a motor vehicle or operate heavy machinery. Marijuana smoke contains carcinogens and can lead to an increased risk for cancer, tachycardia, hypertension, heart attack, and lung infection. Marijuana use may affect the health of a pregnant woman and the unborn child. Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child;
KEEP OUT OF REACH OF CHILDREN.
The product associated with the COA has been tested by Apollo Labs using validated state certified testing methodologies as required by Arizona state law. Values reported herein relate only to the specific sample of product submitted by Client for testing. Apollo Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Apollo Labs.

Modified Grapes (Batch ID: 309MGP122123)

Sample ID: 2401APO0186.0871
Strain: Modified Grapes #1

Matrix: Plant
Type: Flower - Cured
Source Batch #:

Produced:
Collected: 01/16/2024 12:53 pm
Received: 01/16/2024
Completed: 01/22/2024
Batch #: 309MGP122123
Harvest Date:

Client
Sonoran Roots
Lic. # 00000037DCDM00904008

Lot #:
Production Date:
Production Method:

Qualifiers Definitions

Qualifier Notation	Qualifier Description
I1	The relative intensity of a characteristic ion in a sample analyte exceeded the acceptance criteria in subsection (L)(1) with respect to the reference spectra, indicating interference
L1	When testing for pesticides, fungicides, herbicides, growth regulators, heavy metals, or residual solvents, the percent recovery of a laboratory control sample is greater than the acceptance limits in subsection (K)(2)(c), but the sample's target analytes were not detected above the maximum allowable concentrations in Table 3.1 for the analytes in the sample
M1	The recovery from the matrix spike in subsection (K)(4) was: a. High, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria
M2	The recovery from the matrix spike in subsection (K)(4) was: b. Low, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria
M3	The recovery from the matrix spike in subsection (K)(4) was: c. Unusable because the analyte concentration was disproportionate to the spike level, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria
R1	The relative percent difference for the laboratory control sample and duplicate exceeded the limit in subsection (K)(3), but the recovery in subsection (K)(2) was within acceptance criteria
V1	The recovery from continuing calibration verification standards exceeded the acceptance limits in subsection (J)(1)(b), but the sample's target analytes were not detected above the maximum allowable concentrations in Table 3.1 for the analytes in the sample
Q2	The sample is heterogeneous, and sample homogeneity could not be readily achieved using routine laboratory practices - Used to denote that the sample as-received could not be fully pre-homogenized in packaging prior to microbiology analysis
Q3	Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirements in R9-17-317

Notes and Addenda:



Bryant Kearl
Lab Director
01/22/2024

Confident LIMS
All Rights Reserved
coa.support@confidentlims.com
(866) 506-5866
www.confidentlims.com



ARIZONA DEPARTMENT OF HEALTH SERVICES' WARNING:
Marijuana use can be addictive and can impair an individual's ability to drive a motor vehicle or operate heavy machinery. Marijuana smoke contains carcinogens and can lead to an increased risk for cancer, tachycardia, hypertension, heart attack, and lung infection. Marijuana use may affect the health of a pregnant woman and the unborn child. Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child;
KEEP OUT OF REACH OF CHILDREN.
The product associated with the COA has been tested by Apollo Labs using validated state certified testing methodologies as required by Arizona state law. Values reported herein relate only to the specific sample of product submitted by Client for testing. Apollo Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Apollo Labs.