

## Grape Milkshake (Batch ID: 204GMS012925)

Sample ID: 2502APO0825.4414  
Strain: Grape Milkshake

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

Produced:  
Collected: 02/21/2025 10:38 am  
Received: 02/24/2025  
Completed: 02/27/2025  
Batch #: 204GMS012925  
Harvest Date: 01/29/2025

Client  
**Sonoran Roots**  
Lic. # 00000037DCDM00904008

Lot #:  
Production/Manufacture Date:  
Production/Manufacture Method: Indoor



### Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	02/25/2025	Complete
Terpenes	02/25/2025	Complete
Microbials	02/27/2025	Pass
Pesticides	02/25/2025	Pass
Heavy Metals	02/25/2025	Pass

### Cannabinoids by SOP-6

Complete

27.2735%	ND	32.4691%	2.4774%
Total THC	Total CBD	Total Cannabinoids <sup>(Q3)</sup>	Total Terpenes <sup>(Q3)</sup>

Analyte	LOD %	LOQ %	Result %	Result mg/g	Q
THCa		0.1000	30.7868	307.868	
Δ9-THC		0.1000	0.2734	2.734	
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	1.2483	12.483	
CBG		0.1000	0.1606	1.606	
CBC		0.1000	ND	ND	
Total THC			27.2735	272.7350	
Total CBD			ND	ND	
Total			32.4691	324.691	

Date Tested: 02/25/2025 07:00 am



*Anthony Settanni*  
Anthony Settanni  
Lab Director  
02/27/2025

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## Pesticides by SOP-22

Pass

Analyte	LOQ	Limit	Result	Q	Status	Analyte	LOQ	Limit	Result	Q	Status
	PPM	PPM	PPM				PPM	PPM	PPM		
Abamectin	0.2500	0.5000	ND		Pass	Hexythiazox	0.5000	1.0000	ND		Pass
Acephate	0.2000	0.4000	ND		Pass	Imazalil	0.1000	0.2000	ND		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	Metalaxyl	0.1000	0.2000	ND		Pass
Bifenthrin	0.1000	0.2000	ND		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		Pass	Paclobutrazol	0.2000	0.4000	ND		Pass
Chlorpyrifos	0.1000	0.2000	ND		Pass	Permethrins	0.1000	0.2000	ND		Pass
Clofentezine	0.1000	0.2000	ND		Pass	Phosmet	0.1000	0.2000	ND		Pass
Cyfluthrin	0.5000	1.0000	ND		Pass	Piperonyl	1.0000	2.0000	ND		Pass
Cypermethrin	0.5000	1.0000	ND		Pass	Butoxide					
Daminozide	0.5000	1.0000	ND		Pass	Prallethrin	0.1000	0.2000	ND		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		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		Pass
Etoxazole	0.1000	0.2000	ND		Pass	Spiromesifen	0.1000	0.2000	ND		Pass
Fenoxycarb	0.1000	0.2000	ND		Pass	Spirotetramat	0.1000	0.2000	ND		Pass
Fenpyroximate	0.2000	0.4000	ND		Pass	Spiroxamine	0.2000	0.4000	ND		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		Pass

Date Tested: 02/25/2025 07:00 am



*Anthony Settanni*

Anthony Settanni  
Lab Director  
02/27/2025

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Production/Manufacture Method: Indoor

### Microbials

Pass

Analyte	Limit	Result	Status	Q
Salmonella SPP by QPCR: SOP-15	Detected/Not Detected in 1g	ND	Pass	
Aspergillus Flavus Aspergillus Fumigatus or Aspergillus Niger by QPCR: SOP-14	Detected/Not Detected in 1g	ND	Pass	
Aspergillus Terreus by QPCR: SOP-14	Detected/Not Detected in 1g	ND	Pass	

Analyte	LOQ	Limit	Result	Status	Q
	CFU/g	CFU/g	CFU/g		
E. Coli by traditional plating: SOP-13	10.0	100.0	< 10 CFU/g	Pass	

Date Tested: 02/27/2025 12:00 am

### Mycotoxins by SOP-22

Not Tested

Analyte	LOD	LOQ	Limit	Units	Status	Q
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Date Tested:

### Heavy Metals by SOP-21

Pass

Analyte	LOD	LOQ	Limit	Units	Status	Q
	PPM	PPM	PPM	PPM		
Arsenic	0.1000	0.1330	0.4000	ND	Pass	
Cadmium	0.1000	0.1330	0.4000	ND	Pass	
Lead	0.2500	0.3330	1.0000	ND	Pass	
Mercury	0.0500	0.0660	0.2000	ND	Pass	

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## Terpenes

Analyte	LOQ	Result	Result	Q		Analyte	LOQ	Result	Result	Q
	%	%	mg/g				%	%	mg/g	
D,L-Limonene	0.0010	0.5536	5.536	Q3		Camphor	0.0010	ND	ND	Q3
β-Myrcene	0.0010	0.3395	3.395	Q3		Carvacrol	0.0010	ND	ND	Q3
α-Pinene	0.0010	0.2545	2.545	Q3		Carvone	0.0010	ND	ND	Q3
Linalool	0.0010	0.2396	2.396	Q3		cis-Citral	0.0010	ND	ND	Q3
β-Caryophyllene	0.0010	0.2240	2.240	Q3		cis-Farnesol	0.0010	ND	ND	Q3
β-Pinene	0.0010	0.1898	1.898	Q3		cis-Nerolidol	0.0010	ND	ND	Q3
α-Humulene	0.0010	0.1520	1.520	Q3		Eucalyptol	0.0010	ND	ND	Q3
α-Bisabolol	0.0010	0.1066	1.066	Q3		γ-Terpinene	0.0010	ND	ND	Q3
Guaiol	0.0010	0.0904	0.904	Q3		Geranyl Acetate	0.0010	ND	ND	Q3
trans-beta-Ocimene	0.0010	0.0862	0.862	Q3		Isoborneol	0.0010	ND	ND	Q3
Endo-Fenchyl Alcohol	0.0010	0.0759	0.759	Q3		Isobornyl Acetate	0.0010	ND	ND	Q3
α-Terpineol	0.0010	0.0733	0.733	Q3		Isopulegol	0.0010	ND	ND	Q3
Camphene	0.0010	0.0220	0.220	Q3		m-Cymene	0.0010	ND	ND	Q3
Caryophyllene Oxide	0.0010	0.0190	0.190	Q3		Menthol	0.0010	ND	ND	Q3
Fenchone	0.0010	0.0132	0.132	Q3		L-Menthone	0.0010	ND	ND	Q3
D,L-Borneol	0.0010	0.0077	0.077	Q3		Nerol	0.0010	ND	ND	Q3
α-Terpinene	0.0010	0.0058	0.058	Q3		Nootkatone	0.0010	ND	ND	Q3
cis-beta-Ocimene	0.0010	0.0051	0.051	Q3		o,p-Cymene	0.0010	ND	ND	Q3
Terpinolene	0.0010	0.0051	0.051	Q3		Octyl Acetate	0.0010	ND	ND	Q3
Cedrol	0.0010	0.0037	0.037	Q3		Phytane	0.0010	ND	ND	Q3
trans-Nerolidol	0.0010	0.0033	0.033	Q3		Piperitone	0.0010	ND	ND	Q3
Sabinene Hydrate	0.0010	0.0031	0.031	Q3		Pulegone	0.0010	ND	ND	Q3
Geraniol	0.0010	0.0021	0.021	Q3		Sabinene	0.0010	ND	ND	Q3
Citronellol	0.0010	0.0017	0.017	Q3		Safranal	0.0010	ND	ND	Q3
3-Carene	0.0010	ND	ND	Q3		Terpinen-4-ol	0.0010	ND	ND	Q3
α-Cedrene	0.0010	ND	ND	Q3		Thymol	0.0010	ND	ND	Q3
α-Phellandrene	0.0010	ND	ND	Q3		trans-Citral	0.0010	ND	ND	Q3
α-Thujone	0.0010	ND	ND	Q3		Valencene	0.0010	ND	ND	Q3
trans-β-Farnesene	0.0010	ND	ND	Q3		Verbenone	0.0010	ND	ND	Q3
						Total		2.4774	24.774	

## Primary Aromas

Orange	Hops	Pine	Lavender	Cinnamon

Date Tested: 02/25/2025 12:00 am  
Terpenes analysis is not regulated by AZDHS.



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Lab Director  
02/27/2025

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## 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

## Customer Supplied Information:

## Notes and Addenda:



*[Signature]*

Bryant Kearl  
Chief Scientific Officer  
02/27/2025

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