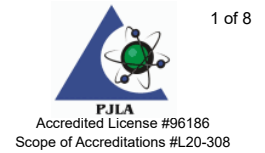




Certificate of Analysis

AZDHS Certification # 05LCMI00301434



1 of 8

Sugars

3905 Old State Highway 279
Camp Verde, AZ 86322
15302624886
Lic#: 00000111ESTX14447382

Sample: S211004-01

CC ID#: 2211C4L0004.4929
Lot#: N/A
Batch#: 2229226981209254
Batch Size: N/A

AMENDED

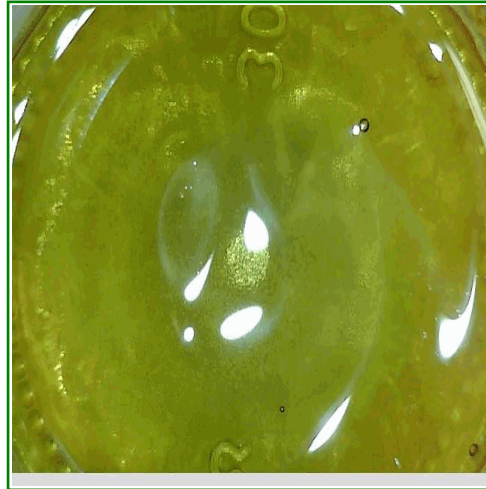
Sample Name: Sugars AZ 001

Strain Name: Sugar AZ 001 #3

Matrix: Concentrates Extracts

Sample Received: 11/02/2022

Report Created: 11/11/2022



Potency Results

90.4%	<LOQ%	RATIO
Total THC	Total CBD	1 : 0
		THC CBD

Total THC= THCa * 0.877 + d9-THC

Total CBD= CBDA * 0.877 + CBD

SAFETY

Microbials	Residual Solvents	Mycotoxins	Pesticides	Metals
PASS	PASS	PASS	PASS	PASS



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Lic.# 00000005LCMI00301434

Jillian Blaney

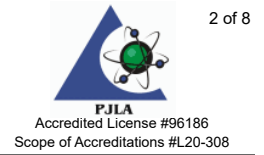
Jillian Blaney
Technical Laboratory Director

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Sugars

3905 Old State Highway 279
Camp Verde, AZ 86322
15302624886
Lic#: 00000111ESTX14447382

Sample: S211004-01

CC ID#: 2211C4L0004.4929
Lot#: N/A
Batch#: 2229226981209254
Batch Size: N/A

AMENDED

Sample Name: Sugars AZ 001

Strain Name: Sugar AZ 001 #3

Matrix: Concentrates Extracts

Sample Received: 11/02/2022

Report Created: 11/11/2022

Cannabinoids by HPLC - Medical

Date Analyzed: 11/03/2022 Analyst Initials: NJR

Analyte	LOQ	Mass	Mass	Q
	%	%	mg/g	
THCA	1.49	<LOQ	<LOQ	
d9-THC	1.49	90.4	904.00	
CBDa	1.49	<LOQ	<LOQ	
CBD	1.49	<LOQ	<LOQ	M1
Total Cannabinoids	1.49	90.4	904.00	
Total THC	1.49	90.4	904.00	
Total CBD	1.49	<LOQ	<LOQ	

Total THC= THCa * 0.877 + d9-THC. Total CBD= CBDa * 0.877 + CBD.

LOQ = Limit of Quantitation; NR = Not Reported; ND = Not Detected.

Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

Cannabinoids method: HPLC-DAD.



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Jillian Blaney
Technical Laboratory Director

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3 of 8

Sugars

3905 Old State Highway 279
Camp Verde, AZ 86322
15302624886
Lic#: 00000111ESTX14447382

Sample: S211004-01

CC ID#: 2211C4L0004.4929
Lot#: N/A
Batch#: 2229226981209254
Batch Size: N/A

AMENDED

Sample Name: Sugars AZ 001

Strain Name: Sugar AZ 001 #3

Matrix: Concentrates Extracts

Sample Received: 11/02/2022

Report Created: 11/11/2022

Pesticides by LCMSMS - Medical

Pass

Date Analyzed: 11/02/2022 Analyst Initials: EXP

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Abamectin	0.118	0.5	<LOQ		Pass	Hexythiazox	0.251	1.0	<LOQ	M2	Pass
Acephate	0.100	0.4	<LOQ		Pass	Imazalil	0.100	0.2	<LOQ		Pass
Acequinocyl	0.502	2.0	<LOQ	M2	Pass	Imidacloprid	0.100	0.4	<LOQ		Pass
Acetamiprid	0.050	0.2	<LOQ		Pass	Kresoxim-methyl	0.100	0.4	<LOQ		Pass
Aldicarb	0.100	0.4	<LOQ		Pass	Malathion	0.050	0.2	<LOQ		Pass
Azoxystrobin	0.050	0.2	<LOQ		Pass	Metalaxyl	0.100	0.2	<LOQ		Pass
Bifenazate	0.050	0.2	<LOQ		Pass	Methiocarb	0.050	0.2	<LOQ		Pass
Bifenthrin	0.050	0.2	<LOQ	M2	Pass	Methomyl	0.100	0.4	<LOQ		Pass
Boscalid	0.100	0.4	<LOQ	M2	Pass	Myclobutanil	0.050	0.2	<LOQ		Pass
Carbaryl	0.050	0.2	<LOQ		Pass	Naled	0.125	0.5	<LOQ		Pass
Carbofuran	0.050	0.2	<LOQ		Pass	Oxamyl	0.251	1.0	<LOQ		Pass
Chlorantraniliprole	0.050	0.2	<LOQ		Pass	Paclobutrazol	0.100	0.4	<LOQ		Pass
Chlorfenapyr	0.502	1.0	<LOQ	M2	Pass	Permethrins	0.050	0.2	<LOQ	M2	Pass
Chlorpyrifos	0.050	0.2	<LOQ	M2	Pass	Phosmet	0.050	0.2	<LOQ		Pass
Clofentezine	0.050	0.2	<LOQ	M2	Pass	Piperonyl butoxide	0.502	2.0	<LOQ		Pass
Cyfluthrin	0.502	1.0	<LOQ	M2	Pass	Prallethrin	0.100	0.2	<LOQ		Pass
Cypermethrin	0.251	1.0	<LOQ	M2	Pass	Propiconazole	0.100	0.4	<LOQ		Pass
Daminozide	0.502	1.0	<LOQ		Pass	Propoxur	0.050	0.2	<LOQ		Pass
Diazinon	0.050	0.2	<LOQ	M2	Pass	Pyrethrins	0.315	1.0	<LOQ		Pass
Dichlorvos	0.050	0.1	<LOQ		Pass	Pyridaben	0.050	0.2	<LOQ		Pass
Dimethoate	0.050	0.2	<LOQ		Pass	Spinosad	0.050	0.2	<LOQ	M2	Pass
Ethoprophos	0.050	0.2	<LOQ		Pass	Spiromesifen	0.050	0.2	<LOQ		Pass
Etofenprox	0.100	0.4	<LOQ	M2	Pass	Spirotetramat	0.050	0.2	<LOQ	M1	Pass
Etoxazole	0.050	0.2	<LOQ		Pass	Spiroxamine	0.100	0.4	<LOQ		Pass
Fenoxycarb	0.050	0.2	<LOQ	M2	Pass	Tebuconazole	0.100	0.4	<LOQ		Pass
Fenpyroximate	0.100	0.4	<LOQ		Pass	Thiacloprid	0.050	0.2	<LOQ		Pass
Fipronil	0.100	0.4	<LOQ	L1, M1, V1	Pass	Thiamethoxam	0.050	0.2	<LOQ		Pass
Flonicamid	0.251	1.0	<LOQ		Pass	Trifloxystrobin	0.050	0.2	<LOQ	M2	Pass
Fludioxonil	0.100	0.4	<LOQ	M2	Pass						

LOQ = Limit of Quantitation; NR = Not Reported; ND = Not Detected. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Pesticides method: LC/MS/MS.



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Jillian Blaney

Jillian Blaney
Technical Laboratory Director

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4 of 8

Sugars

3905 Old State Highway 279
Camp Verde, AZ 86322
15302624886
Lic#: 00000111ESTX14447382

Sample: S211004-01

CC ID#: 2211C4L0004.4929
Lot#: N/A
Batch#: 2229226981209254
Batch Size: N/A

AMENDED

Sample Name: Sugars AZ 001

Strain Name: Sugar AZ 001 #3

Matrix: Concentrates Extracts

Sample Received: 11/02/2022

Report Created: 11/11/2022

Metals by ICPMS - Medical

Pass

Date Analyzed: 11/04/2022 Analyst Initials: IAM

Analyte	LOQ	Limit	Mass	Q	Status
	ppm	ppm	ppm		
Arsenic	0.100	0.405	<LOQ		Pass
Cadmium	0.100	0.405	<LOQ		Pass
Lead	0.400	1.05	<LOQ		Pass
Mercury	0.400	1.25	<LOQ		Pass

LOQ = Limit of Quantitation; ND = Not Detected. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

Mycotoxins by ELISA- Medical

Pass

Date Analyzed: 11/03/2022 Analyst Initials: KAM

Analyte	LOQ	Limit	Mass	Q	Status
	ppb	ppb	ppb		
Aflatoxins Total	2.00	20	<LOQ		Pass
Ochratoxin A	4.00	20	<LOQ		Pass

LOQ = Limit of Quantitation; NR = Not Reported; ND = Not Detected.
Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Total Aflatoxins includes Aflatoxins B1, B2, G1, and G2.



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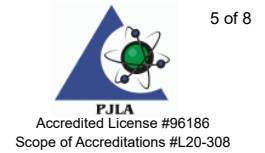
Jillian Blaney
Technical Laboratory Director

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Sugars

3905 Old State Highway 279
Camp Verde, AZ 86322
15302624886
Lic#: 00000111ESTX14447382

Sample: S211004-01

CC ID#: 2211C4L0004.4929
Lot#: N/A
Batch#: 2229226981209254
Batch Size: N/A

AMENDED

Sample Name: Sugars AZ 001

Strain Name: Sugar AZ 001 #3

Matrix: Concentrates Extracts

Sample Received: 11/02/2022

Report Created: 11/11/2022

Microbials

Pass

E. coli by 3M Petrifilm- Medical Plate

Date Analyzed: 11/03/2022 Analyst Initials: KAM

Analyte	LOQ	Limit	Mass	Q	Status
	cfu/g	cfu/g	cfu/g		
E. coli	11	100	<LOQ		Pass

Notes: Aerobic plate counts and yeast and mold are provided for informational purposes only.
LOQ = Limit of Quantitation; TNTC = Too Numerous to Count; NR = Not Reported; NT = Not Tested;
ND = Not Detected; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Aspergillus includes species flavus, fumigatus, niger, and terreus.
E. coli by Petrifilm, Salmonella and Aspergillus by Medicinal Genomics.

Aspergillus and Salmonella by qPCR - Medical qPCR

Date Analyzed: 11/03/2022 Analyst Initials: KAM

Analyte	Mass	Q	Status
Salmonella spp.	Not Detected		Pass
Aspergillus	Not Detected		Pass

Notes: Aerobic plate counts and yeast and mold are provided for informational purposes only.
LOQ = Limit of Quantitation; TNTC = Too Numerous to Count; NR = Not Reported; NT = Not Tested;
ND = Not Detected; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Aspergillus includes species flavus, fumigatus, niger, and terreus.
E. coli by Petrifilm, Salmonella and Aspergillus by Medicinal Genomics.



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Jillian Blaney

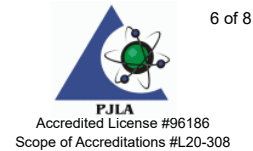
Jillian Blaney
Technical Laboratory Director

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Sugars

3905 Old State Highway 279
Camp Verde, AZ 86322
15302624886
Lic#: 00000111ESTX14447382

Sample: S211004-01

CC ID#: 2211C4L0004.4929
Lot#: N/A
Batch#: 2229226981209254
Batch Size: N/A

AMENDED

Sample Name: Sugars AZ 001

Strain Name: Sugar AZ 001 #3

Matrix: Concentrates Extracts

Sample Received: 11/02/2022
Report Created: 11/11/2022

Residual Solvents by Headspace GCMS - Medical

Pass

Date Analyzed: 11/03/2022 Analyst Initials: SML

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Acetone	116	1000	<LOQ		Pass	2,3-Dimethylbutane	37.2		<LOQ		
Acetonitrile	46.5	410	<LOQ	L1	Pass	2-Propanol (IPA)	581	5000	<LOQ		Pass
Benzene	0.651	2	<LOQ		Pass	Isopropyl acetate	581	5000	<LOQ		Pass
Butanes	581	5000	<LOQ		Pass	Methanol	349	3000	<LOQ	L1, M1	Pass
n-Butane	581		<LOQ			Pentanes	581	5000	<LOQ		Pass
iso-Butane	581		<LOQ			n-Pentane	581		<LOQ		
Chloroform	14.0	60	<LOQ		Pass	iso-pentane	581		<LOQ		
Dichloromethane	69.8	600	<LOQ		Pass	neo-Pentane	581		<LOQ		
Ethanol	581	5000	<LOQ		Pass	Propane	581	5000	<LOQ		Pass
Ethyl acetate	581	5000	<LOQ		Pass	Toluene	107	890	<LOQ		Pass
Diethyl Ether	581	5000	<LOQ		Pass	Xylenes	256	2170	<LOQ		Pass
n-Heptane	581	5000	<LOQ		Pass	m/p-Xylene	512		<LOQ		
Hexanes	37.2	290	<LOQ		Pass	o-Xylene	256		<LOQ		
n-Hexane	37.2		<LOQ			Ethyl benzene	256		<LOQ		
2-Methylpentane	37.2		<LOQ								
3-Methylpentane	37.2		<LOQ								
2,2-Dimethylbutane	37.2		<LOQ								

LOQ = Limit of Quantitation; ND = Not Detected;
Unless otherwise stated all quality control samples performed
within specifications established by the Laboratory.
Solvents method: GC/MS



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Jillian Blaney

Jillian Blaney
Technical Laboratory Director

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AZDHS Certification # 05LCMI00301434



7 of 8

Sugars

3905 Old State Highway 279
Camp Verde, AZ 86322
15302624886
Lic#: 00000111ESTX14447382

Sample: S211004-01

CC ID#: 2211C4L0004.4929
Lot#: N/A
Batch#: 2229226981209254
Batch Size: N/A

AMENDED

Sample Name: Sugars AZ 001

Strain Name: Sugar AZ 001 #3

Matrix: Concentrates Extracts

Sample Received: 11/02/2022

Report Created: 11/11/2022

Notes and Definitions

Item	Definition
I1	Interference. Relative intensity of a characteristic ion in the sample analyte exceeded 30% of the relative intensity in the reference spectrum.
L1	The percent recovery of the LCS was above the control limit for the test but analyte was not detected above the Action Limit in Table 3.1.
M1	Matrix Spike recovery was higher than control limit but recovery of the LCS was within control limits.
M2	Matrix Spike recovery was lower than control limit but recovery of the LCS was within control limits.
V1	CCV recovery exceeded control limits but the sample analyte concentration was below maximum allowable concentrations in table 3.1
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.



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Jillian Blaney
Technical Laboratory Director

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11/11/2022

To Whom It May Concern:

This letter is to inform that Jon Payne amended the following order #S211004-01 (CC ID: 2211C4L0004.4929) to add a batch number.

Per AZDHS, if any kind of sample information is altered after the report is issued, then the only way a new report could be valid and defensible would be for the new report to have information of what was changed, date of change, who changed and why. This can be in the information area of the COA.

Below is Jons's official statement received:

Dakota,

I apologize I forgot to add the biotrack batch ID to the COA if you could add it please
batch # 2229226981209254

sample S211004-01

Company name is Sugars

Thank you very much

Order # S211004

Thank you,
Ryan Treacy
Founder and CEO
C4 Laboratories