



Certificate of Analysis

AZDHS Certification # 0000005LCMI00301434



ASV AZ Operating Inc.
318 S. Bracken Lane
Chandler, AZ 85224
1(480) 553-8805
Lic#: 00000072DCMU00762354

Sample: S303091-01
CC ID#: 2303C4L0086.1139
Lot#: N/A
Batch#: 230330-D2500
Batch Size: N/A

FINAL

Sample Name: 230330-D2500
Strain Name: Mixed
Matrix: Concentrates Extracts

Sample Received: 03/31/2023
Report Created: 04/04/2023



Potency Results

80.1%	<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



C4 LABORATORIES

7650 E. Evans Rd, Unit A
Scottsdale, AZ 85260
(480) 219-6460
<http://www.c4lab.com>
Lic.#0000005LCMI00301434

Jillian Blaney
Technical Laboratory Director

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PJLA
Accreditation No.: 96186
Certificate No.: L22-417

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Report Created: 04/04/2023

Cannabinoids by HPLC - Medical

Date Analyzed: 04/03/2023 Analyst Initials: DRF

Analyte	LOQ	Mass	Mass	Q
	%	%	mg/g	
THCA	1.57	13.0	130.00	
d9-THC	1.57	68.7	687.00	
d8-THC	1.57	<LOQ	<LOQ	
CBDa	1.57	<LOQ	<LOQ	
CBD	1.57	<LOQ	<LOQ	M1
CBG	1.57	1.78	17.80	
CBN	1.57	<LOQ	<LOQ	
CBC	1.57	<LOQ	<LOQ	
Total Cannabinoids	1.57	83.5	835.00	Q3
Total THC	1.57	80.1	801.00	
Total CBD	1.57	<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.
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Cannabinoids method: HPLC-DAD.



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Sample Received: 03/31/2023
Report Created: 04/04/2023

Pesticides by LCMSMS - Medical

Pass

Date Analyzed: 04/03/2023 Analyst Initials: LSL

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Abamectin	0.119	0.5	<LOQ	M2, V1	Pass	Hexythiazox	0.249	1.0	<LOQ	M2	Pass
Acephate	0.100	0.4	<LOQ		Pass	Imazalil	0.100	0.2	<LOQ		Pass
Acequinocyl	0.498	2.0	<LOQ	M2	Pass	Imidacloprid	0.100	0.4	<LOQ	M2	Pass
Acetamiprid	0.050	0.2	<LOQ	M2	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	M2	Pass
Boscalid	0.100	0.4	<LOQ		Pass	Myclobutanil	0.050	0.2	<LOQ		Pass
Carbaryl	0.050	0.2	<LOQ		Pass	Naled	0.124	0.5	<LOQ		Pass
Carbofuran	0.050	0.2	<LOQ		Pass	Oxamyl	0.249	1.0	<LOQ		Pass
Chlorantraniliprole	0.050	0.2	<LOQ		Pass	Paclobutrazol	0.100	0.4	<LOQ		Pass
Chlorfenapyr	0.498	1.0	<LOQ	M2	Pass	Permethrins	0.050	0.2	<LOQ	M2	Pass
Chlorpyrifos	0.050	0.2	<LOQ		Pass	Phosmet	0.050	0.2	<LOQ		Pass
Clofentezine	0.050	0.2	<LOQ		Pass	Piperonyl butoxide	0.498	2.0	<LOQ	M2	Pass
Cyfluthrin	0.498	1.0	<LOQ	M2	Pass	Prallethrin	0.100	0.2	<LOQ		Pass
Cypermethrin	0.249	1.0	<LOQ	M2	Pass	Propiconazole	0.100	0.4	<LOQ		Pass
Daminozide	0.498	1.0	<LOQ		Pass	Propoxur	0.050	0.2	<LOQ		Pass
Diazinon	0.050	0.2	<LOQ		Pass	Pyrethrins	0.321	1.0	<LOQ	M2	Pass
Dichlorvos	0.050	0.1	<LOQ		Pass	Pyridaben	0.050	0.2	<LOQ	M2	Pass
Dimethoate	0.050	0.2	<LOQ	M2	Pass	Spinosad	0.050	0.2	<LOQ		Pass
Ethoprophos	0.050	0.2	<LOQ		Pass	Spiromesifen	0.050	0.2	<LOQ		Pass
Etofenprox	0.100	0.4	<LOQ		Pass	Spirotetramat	0.050	0.2	<LOQ		Pass
Etoxazole	0.050	0.2	<LOQ		Pass	Spiroxamine	0.100	0.4	<LOQ		Pass
Fenoxycarb	0.050	0.2	<LOQ		Pass	Tebuconazole	0.100	0.4	<LOQ		Pass
Fenpyroximate	0.100	0.4	<LOQ	M2	Pass	Thiacloprid	0.050	0.2	<LOQ		Pass
Fipronil	0.100	0.4	<LOQ	L1, R1	Pass	Thiamethoxam	0.050	0.2	<LOQ		Pass
Flonicamid	0.249	1.0	<LOQ		Pass	Trifloxystrobin	0.050	0.2	<LOQ	M2	Pass
Fludioxonil	0.100	0.4	<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. Pesticides method: LC/MS/MS.



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Batch Size: N/A

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Matrix: Concentrates Extracts

Sample Received: 03/31/2023
Report Created: 04/04/2023

Metals by ICPMS - Medical

Pass

Date Analyzed: 04/04/2023 Analyst Initials: LSS

Analyte	LOQ	Limit	Mass	Q	Status
	ppm	ppm	ppm		
Arsenic	0.100	0.405	<LOQ		Pass
Cadmium	0.100	0.405	<LOQ		Pass
Lead	0.399	1.05	<LOQ		Pass
Mercury	0.399	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: 04/03/2023 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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Microbials

Pass

E. coli by 3M Petrifilm- Medical Plate

Date Analyzed: 04/04/2023 Analyst Initials: MRB

Analyte	LOQ	Limit	Mass	Q	Status
	cfu/g	cfu/g	cfu/g		
E. coli	9.9	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: 04/04/2023 Analyst Initials: MRB

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.
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E. coli by Petrifilm, Salmonella and Aspergillus by Medicinal Genomics.



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Sample Received: 03/31/2023
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Residual Solvents by Headspace GCMS - Medical

Pass

Date Analyzed: 04/03/2023 Analyst Initials: SML

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Acetone	121	1000	<LOQ		Pass	2-methylpentane/2,	77.3		<LOQ		
Acetonitrile	48.3	410	<LOQ		Pass	3-dimethylbutane					
Benzene	0.966	2	<LOQ		Pass	2-Propanol (IPA)	604	5000	<LOQ		Pass
Butanes	604	5000	<LOQ		Pass	Isopropyl acetate	604	5000	<LOQ		Pass
n-Butane	604		<LOQ			Methanol	362	3000	<LOQ		Pass
iso-Butane	604		<LOQ			Pentanes	604	5000	<LOQ		Pass
Chloroform	14.5	60	<LOQ		Pass	n-Pentane	604		<LOQ		
Dichloromethane	72.5	600	<LOQ		Pass	iso-pentane	604		<LOQ		
Ethanol	604	5000	<LOQ		Pass	neo-Pentane	604		<LOQ		
Ethyl acetate	604	5000	<LOQ		Pass	Propane	604	5000	<LOQ		Pass
Diethyl Ether	604	5000	<LOQ		Pass	Toluene	111	890	<LOQ		Pass
n-Heptane	604	5000	<LOQ		Pass	Xylenes	266	2170	<LOQ		Pass
Hexanes	38.6	290	<LOQ		Pass	m/p-Xylene	531		<LOQ		
n-Hexane	38.6		<LOQ			o-Xylene	266		<LOQ		
3-Methylpentane	38.6		<LOQ			Ethyl benzene	266		<LOQ		
2,2-Dimethylbutane	38.6		<LOQ								

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Solvents method: GC/MS



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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.
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. Testing result is not accredited under ISO 17025.
R1	The RPD for the LCS/LCSD pair exceeded 20% but recoveries were 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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