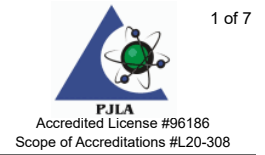




# Certificate of Analysis

AZDHS Certification # 05LCMI00301434



**Catalina Hills/Venom**  
 5900 W. Greenhouse Rd  
 Willcox, AZ 85643  
 19289654611  
 Lic#: N/A

**Sample: S109063-06**  
 CC ID#: 2109C4L0068.4917  
 Lot#: N/A  
 Batch#: 0769  
 Batch Size: N/A

**FINAL**

**Sample Name: Royal Jack Shatter-S**  
**Strain Name: Royal Jack**  
**Matrix: Concentrates Extracts**

Sample Received: 09/24/2021  
 Report Created: 10/04/2021



## Potency Results

<b>74.5%</b>	<b>&lt;LOQ%</b>	<b>RATIO</b>	
<b>Total THC</b>	<b>Total CBD</b>	<b>1</b>	<b>0</b>
		<b>THC</b>	<b>CBD</b>

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

## SAFETY

<b>Microbials</b>	<b>Residual Solvents</b>	<b>Mycotoxins</b>	<b>Pesticides</b>	<b>Herbicide</b>	<b>Metals</b>
<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>NOT TESTED</b>	<b>PASS</b>



### C4 LABORATORIES

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 Scottsdale, AZ 85260  
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 Lic.#00000005LCMI00301434

Dennis Wells  
 CSO/QAM

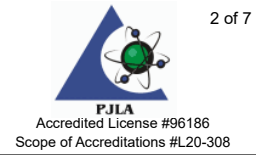


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Lot#: N/A  
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Batch Size: N/A

FINAL

Sample Name: Royal Jack Shatter-S

Strain Name: Royal Jack

Matrix: Concentrates Extracts

Sample Received: 09/24/2021

Report Created: 10/04/2021

## Cannabinoids by HPLC - Medical

Date Analyzed: 09/28/2021 Analyst Initials: KWT

Analyte	LOQ	Mass	Mass	Q
	%	%	mg/g	
THCA	1.48	81.9	819.00	
d9-THC	1.48	2.63	26.30	
d8-THC	1.48	<LOQ	<LOQ	
CBDA	1.48	<LOQ	<LOQ	
CBD	1.48	<LOQ	<LOQ	
CBG	1.48	<LOQ	<LOQ	
CBN	1.48	<LOQ	<LOQ	
CBC	1.48	<LOQ	<LOQ	
Total Cannabinoids	1.48	84.5	845.00	
Total THC	1.48	74.5	745.00	
Total CBD	1.48	<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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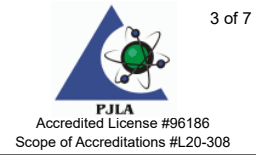


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**FINAL**

**Sample Name: Royal Jack Shatter-S**

**Strain Name: Royal Jack**

**Matrix: Concentrates Extracts**

Sample Received: 09/24/2021

Report Created: 10/04/2021

**Pesticides by LCMSMS - Medical**

**Pass**

Date Analyzed: 09/29/2021 Analyst Initials: EXP

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Abamectin	0.106	0.5	<LOQ	M2	Pass	Hexythiazox	0.240	1.0	<LOQ	M2	Pass
Acephate	0.096	0.4	<LOQ		Pass	Imazalil	0.096	0.2	<LOQ		Pass
Acequinocyl	0.480	2.0	<LOQ		Pass	Imidacloprid	0.096	0.4	<LOQ		Pass
Acetamiprid	0.048	0.2	<LOQ		Pass	Kresoxim-methyl	0.096	0.4	<LOQ		Pass
Aldicarb	0.096	0.4	<LOQ		Pass	Malathion	0.048	0.2	<LOQ		Pass
Azoxystrobin	0.048	0.2	<LOQ		Pass	Metaxyl	0.096	0.2	<LOQ		Pass
Bifenazate	0.048	0.2	<LOQ		Pass	Methiocarb	0.048	0.2	<LOQ		Pass
Bifenthrin	0.048	0.2	<LOQ	M2	Pass	Methomyl	0.096	0.4	<LOQ		Pass
Boscalid	0.096	0.4	<LOQ		Pass	Myclobutanil	0.048	0.2	<LOQ		Pass
Carbaryl	0.048	0.2	<LOQ		Pass	Naled	0.120	0.5	<LOQ		Pass
Carbofuran	0.048	0.2	<LOQ		Pass	Oxamyl	0.240	1.0	<LOQ		Pass
Chlorantraniliprole	0.048	0.2	<LOQ		Pass	Paclobutrazol	0.096	0.4	<LOQ		Pass
Chlorfenapyr	0.480	1.0	<LOQ		Pass	Permethrins	0.048	0.2	<LOQ	M2	Pass
Chlorpyrifos	0.048	0.2	<LOQ	M2	Pass	Phosmet	0.048	0.2	<LOQ		Pass
Clofentezine	0.048	0.2	<LOQ		Pass	Piperonyl butoxide	0.480	2.0	<LOQ		Pass
Cyfluthrin	0.480	1.0	<LOQ		Pass	Prallethrin	0.096	0.2	<LOQ	M1	Pass
Cypermethrin	0.240	1.0	<LOQ	M2	Pass	Propiconazole	0.096	0.4	<LOQ		Pass
Daminozide	0.480	1.0	<LOQ		Pass	Propoxur	0.048	0.2	<LOQ		Pass
Diazinon	0.048	0.2	<LOQ		Pass	Pyrethrins	0.309	1.0	<LOQ		Pass
Dichlorvos	0.048	0.1	<LOQ		Pass	Pyridaben	0.048	0.2	<LOQ	M2	Pass
Dimethoate	0.048	0.2	<LOQ		Pass	Spinosad	0.048	0.2	<LOQ		Pass
Ethoprophos	0.048	0.2	<LOQ		Pass	Spiromesifen	0.048	0.2	<LOQ		Pass
Etofenprox	0.096	0.4	<LOQ	M2	Pass	Spirotetramat	0.048	0.2	<LOQ	M1	Pass
Etoxazole	0.048	0.2	<LOQ		Pass	Spiroxamine	0.096	0.4	<LOQ		Pass
Fenoxycarb	0.048	0.2	<LOQ	M2	Pass	Tebuconazole	0.096	0.4	<LOQ		Pass
Fenpyroximate	0.096	0.4	<LOQ		Pass	Thiacloprid	0.048	0.2	<LOQ		Pass
Fipronil	0.096	0.4	<LOQ		Pass	Thiamethoxam	0.048	0.2	<LOQ		Pass
Flonicamid	0.240	1.0	<LOQ		Pass	Trifloxystrobin	0.048	0.2	<LOQ	M2	Pass
Fludioxonil	0.096	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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Dennis Wells  
CSO/QAM



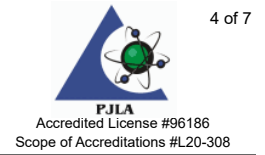
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# Certificate of Analysis

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5900 W. Greenhouse Rd  
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19289654611  
Lic#: N/A

**Sample: S109063-06**

CC ID#: 2109C4L0068.4917  
Lot#: N/A  
Batch#: 0769  
Batch Size: N/A

**FINAL**

**Sample Name: Royal Jack Shatter-S**

Strain Name: Royal Jack  
Matrix: Concentrates Extracts

Sample Received: 09/24/2021  
Report Created: 10/04/2021

**Metals by ICPMS - Medical**

Pass

Date Analyzed: 09/29/2021 Analyst Initials: MDC

Analyte	LOQ	Limit	Mass	Q	Status
	ppm	ppm	ppm		
Arsenic	0.099	0.4	<LOQ		Pass
Cadmium	0.099	0.4	<LOQ		Pass
Lead	0.396	1.0	<LOQ		Pass
Mercury	0.396	1.2	<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: 09/30/2021 Analyst Initials: DHV

Analyte	LOQ	Limit	Mass	Q	Status
	ppb	ppb	ppb		
Aflatoxins Total	2.00	20	4.72		Pass
Ochratoxin A	4.00	20	4.29		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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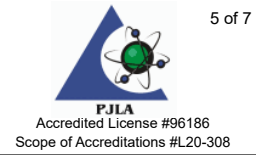


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Lot#: N/A  
Batch#: 0769  
Batch Size: N/A

**FINAL**

**Sample Name: Royal Jack Shatter-S**

Strain Name: Royal Jack  
Matrix: Concentrates Extracts

Sample Received: 09/24/2021  
Report Created: 10/04/2021

**Microbials**

Pass

**E. coli by 3M Petrifilm- Medical**

**Plate**

Date Analyzed: 09/30/2021 Analyst Initials: KAM

Analyte	LOQ	Limit	Mass	Q	Status
	cfu/g	cfu/g	cfu/g		
E. coli	1	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: 10/01/2021 Analyst Initials: KAM

Analyte	LOQ	Limit	Mass	Q	Status
	cfu/g	cfu/g	cfu/g		
Salmonella spp.	1	1	<LOQ		Pass
Aspergillus	1	1	<LOQ		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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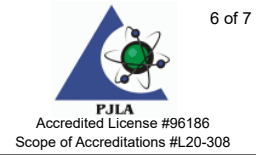


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CC ID#: 2109C4L0068.4917  
Lot#: N/A  
Batch#: 0769  
Batch Size: N/A

**FINAL**

**Sample Name: Royal Jack Shatter-S**

Strain Name: Royal Jack  
Matrix: Concentrates Extracts

Sample Received: 09/24/2021  
Report Created: 10/04/2021

**Residual Solvents by Headspace GCMS - Medical**

Pass

Date Analyzed: 09/27/2021 Analyst Initials: jfl

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	37.0	<LOQ			
Acetonitrile	46.3	410	<LOQ		Pass	2-Propanol (IPA)	579	5000	<LOQ		Pass
Benzene	0.6	2	<LOQ		Pass	Isopropyl acetate	579	5000	<LOQ		Pass
Butanes	579	5000	<LOQ		Pass	Methanol	347	3000	<LOQ		Pass
n-Butane	579		<LOQ			Pentanes	579	5000	<LOQ		Pass
iso-Butane	579		<LOQ			n-Pentane	579		<LOQ		
Chloroform	13.9	60	<LOQ		Pass	iso-pentane	579		<LOQ		
Dichloromethane	69.4	600	<LOQ		Pass	neo-Pentane	579		<LOQ		
Ethanol	579	5000	<LOQ		Pass	Propane	579	5000	<LOQ		Pass
Ethyl acetate	579	5000	<LOQ		Pass	Toluene	106	890	<LOQ		Pass
Diethyl Ether	579	5000	<LOQ		Pass	Xylenes	255	2170	<LOQ		Pass
n-Heptane	579	5000	<LOQ		Pass	m/p-Xylene	509		<LOQ		
Hexanes	37.0	290	<LOQ		Pass	o-Xylene	255		<LOQ		
n-Hexane	37.0		<LOQ			Ethyl benzene	255		<LOQ		
2-Methylpentane	37.0		<LOQ								
3-Methylpentane	37.0		<LOQ								
2,2-Dimethylbutane	37.0		<LOQ								

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Solvents method: GC/MS



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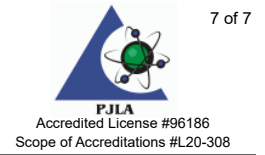
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**FINAL**

**Sample Name: Royal Jack Shatter-S**  
 Strain Name: Royal Jack  
 Matrix: Concentrates Extracts

Sample Received: 09/24/2021  
 Report Created: 10/04/2021

## Notes and Definitions

Item	Definition
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.
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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