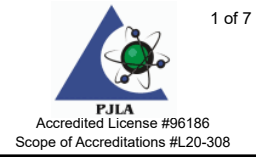




# Certificate of Analysis

AZDHS Certification # 05LCMI00301434



Nature's Medicines Amado  
 2439 W McDowell Rd  
 Phoenix, AZ 85009  
 none  
 Lic#: N/A

Sample: S109011-08  
 CC ID#: 2109C4L0007.4625  
 Lot#: V63051721C13PineappleExpress  
 Batch#: V63051721  
 Batch Size: N/A

FINAL

Sample Name: Pineapple Express Shatter  
 Matrix: Concentrates\_Extracts

Sample Received: 09/03/2021  
 Report Created: 09/22/2021



## Potency Results

<b>76.0%</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

7650 E. Evans Rd, Unit A  
 Scottsdale, AZ 85260  
 (480) 219-6460  
<http://www.c4lab.com>  
 Lic.#00000005LCMI00301434

Dennis Wells  
 CSO/QAM



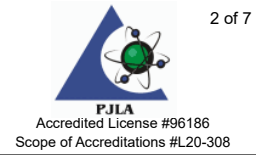
ARIZONA DEPARTMENT  
 OF HEALTH SERVICES

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 2439 W McDowell Rd  
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 Lot#: V63051721C13PineappleExpress  
 Batch#: V63051721  
 Batch Size: N/A

FINAL

Sample Name: Pineapple Express Shatter  
 Matrix: Concentrates\_Extracts

Sample Received: 09/03/2021  
 Report Created: 09/22/2021

## Cannabinoids by HPLC - Medical

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

Analyte	LOQ	Mass	Mass	Q
	%	%	mg/g	
THCA	1.57	74.4	744.00	
d9-THC	1.57	10.8	108.00	
d8-THC	1.57	<LOQ	<LOQ	
CBDA	1.57	<LOQ	<LOQ	
CBD	1.57	<LOQ	<LOQ	
CBG	1.57	<LOQ	<LOQ	
CBN	1.57	<LOQ	<LOQ	
CBC	1.57	<LOQ	<LOQ	
Total Cannabinoids	1.57	85.2	852.00	
Total THC	1.57	76.0	760.00	
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.  
 Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.  
 Cannabinoids method: HPLC-DAD.



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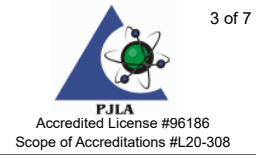


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 Lot#: V63051721C13PineappleExpress  
 Batch#: V63051721  
 Batch Size: N/A

**FINAL**

**Sample Name: Pineapple Express Shatter**  
 Matrix: Concentrates\_Extracts

Sample Received: 09/03/2021  
 Report Created: 09/22/2021

**Pesticides by LCMSMS - Medical**

**Pass**

Date Analyzed: 09/09/2021 Analyst Initials: JCB

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Abamectin	0.110	0.5	<LOQ	M2	Pass	Hexythiazox	0.250	1.0	<LOQ	M2	Pass
Acephate	0.100	0.4	<LOQ		Pass	Imazalil	0.100	0.2	<LOQ		Pass
Acequinocyl	0.499	2.0	<LOQ		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	Metaxyl	0.100	0.2	<LOQ		Pass
Bifenazate	0.050	0.2	<LOQ	L1, M1	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		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	0.250	1.0	<LOQ		Pass
Chlorantraniliprole	0.050	0.2	<LOQ		Pass	Paclbutrazol	0.100	0.4	<LOQ		Pass
Chlorfenapyr	0.499	1.0	<LOQ	M2	Pass	Permethrins	0.050	0.2	<LOQ		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	0.499	2.0	<LOQ		Pass
Cyfluthrin	0.499	1.0	<LOQ	M2	Pass	Prallethrin	0.100	0.2	<LOQ		Pass
Cypermethrin	0.250	1.0	<LOQ	M2	Pass	Propiconazole	0.100	0.4	<LOQ	M2	Pass
Daminozide	0.499	1.0	<LOQ		Pass	Propoxur	0.050	0.2	<LOQ		Pass
Diazinon	0.050	0.2	<LOQ		Pass	Pyrethrins	0.321	1.0	<LOQ		Pass
Dichlorvos	0.050	0.1	<LOQ		Pass	Pyridaben	0.050	0.2	<LOQ	M2	Pass
Dimethoate	0.050	0.2	<LOQ		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	M1	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		Pass	Thiamethoxam	0.050	0.2	<LOQ		Pass
Flonicamid	0.100	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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Dennis Wells  
 CSO/QAM



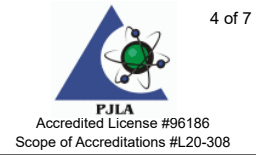
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# Certificate of Analysis

AZDHS Certification # 05LCMI00301434



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 2439 W McDowell Rd  
 Phoenix, AZ 85009  
 none  
 Lic#: N/A

Sample: S109011-08  
 CC ID#: 2109C4L0007.4625  
 Lot#: V63051721C13PineappleExpress  
 Batch#: V63051721  
 Batch Size: N/A

FINAL

Sample Name: Pineapple Express Shatter  
 Matrix: Concentrates\_Extracts

Sample Received: 09/03/2021  
 Report Created: 09/22/2021

## Metals by ICPMS - Medical

Pass

Date Analyzed: 09/20/2021 Analyst Initials: MDC

Analyte	LOQ	Limit	Mass	Q	Status
	ppm	ppm	ppm		
Arsenic	0.100	0.4	<LOQ		Pass
Cadmium	0.100	0.4	<LOQ		Pass
Lead	0.399	1.0	<LOQ		Pass
Mercury	0.399	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: 09/09/2021 Analyst Initials: DHV

Analyte	LOQ	Limit	Mass	Q	Status
	ppb	ppb	ppb		
Aflatoxins Total	1.00	20	3.12		Pass
Ochratoxin A	1.00	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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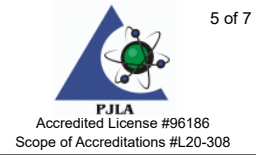


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**Sample: S109011-08**  
 CC ID#: 2109C4L0007.4625  
 Lot#: V63051721C13PineappleExpress  
 Batch#: V63051721  
 Batch Size: N/A

**FINAL**

**Sample Name: Pineapple Express Shatter**  
 Matrix: Concentrates\_Extracts

Sample Received: 09/03/2021  
 Report Created: 09/22/2021

**Microbials** Pass

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

**Plate**

Date Analyzed: 09/10/2021 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: 09/10/2021 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.  
 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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 CSO/QAM

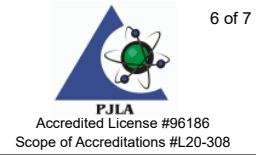


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# Certificate of Analysis

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 2439 W McDowell Rd  
 Phoenix, AZ 85009  
 none  
 Lic#: N/A

**Sample: S109011-08**  
 CC ID#: 2109C4L0007.4625  
 Lot#: V63051721C13PineappleExpress  
 Batch#: V63051721  
 Batch Size: N/A

**FINAL**

**Sample Name: Pineapple Express Shatter**  
 Matrix: Concentrates\_Extracts

Sample Received: 09/03/2021  
 Report Created: 09/22/2021

## Residual Solvents by Headspace GCMS - Medical

Pass

Date Analyzed: 09/07/2021 Analyst Initials: sml

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Acetone	124	1000	<LOQ		Pass	2,3-Dimethylbutane	39.8		<LOQ		
Acetonitrile	49.8	410	<LOQ		Pass	2-Propanol (IPA)	622	5000	<LOQ		Pass
Benzene	0.7	2	<LOQ	M1	Pass	Isopropyl acetate	622	5000	<LOQ		Pass
Butanes	622	5000	<LOQ		Pass	Methanol	373	3000	<LOQ		Pass
n-Butane	622		<LOQ			Pentanes	622	5000	<LOQ		Pass
iso-Butane	622		<LOQ			n-Pentane	622		<LOQ		
Chloroform	14.9	60	<LOQ		Pass	iso-pentane	622		<LOQ		
Dichloromethane	74.6	600	<LOQ		Pass	neo-Pentane	622		<LOQ		
Ethanol	622	5000	<LOQ		Pass	Propane	622	5000	<LOQ		Pass
Ethyl acetate	622	5000	<LOQ		Pass	Toluene	114	890	<LOQ		Pass
Diethyl Ether	622	5000	<LOQ		Pass	Xylenes	274	2170	<LOQ		Pass
n-Heptane	622	5000	<LOQ		Pass	m/p-Xylene	274		<LOQ		
Hexanes	39.8	290	<LOQ		Pass	o-Xylene	274		<LOQ		
n-Hexane	39.8		<LOQ			Ethyl benzene	274		<LOQ		
2-Methylpentane	39.8		<LOQ								
3-Methylpentane	39.8		<LOQ								
2,2-Dimethylbutane	39.8		<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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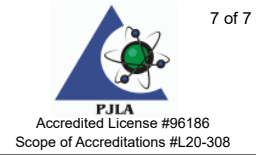
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Sample: S109011-08  
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 Lot#: V63051721C13PineappleExpress  
 Batch#: V63051721  
 Batch Size: N/A

**FINAL**

Sample Name: Pineapple Express Shatter  
 Matrix: Concentrates\_Extracts

Sample Received: 09/03/2021  
 Report Created: 09/22/2021

## Notes and Definitions

Item	Definition
L1	The percent recovery of the LCS was outside of control limits 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.
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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