



51 W. Weldon Ave  
Phoenix, AZ  
(480) 788-6644  
www.desertvalleytesting.com

# Certificate of Analysis

ISO/IEC 17025:2017 Certificate #: AT-2837

License #: 00000003LCIN00627986

## The Gas Pump Farms

License #: 00000022ESMC44584355  
1575 e 18th Ave  
Apache Junction, AZ 85119  
(480) 252-0040

Additional Licenses:

Batch #: Zookies 11-30-22; External Lot #:

Source Batch #: Zookies 11-30-22

Sample Batch Collection: 12/27/22 14:15

Sample Received: 12/27/2022; Report Created: 1/4/2023

### Zookies( Cured Rosin)

Laboratory Number: 2212071-02

Zookies

Matrix: Concentrates

<b>Metals</b> PASS	<b>Pesticides</b> PASS	<b>Residual Solvents</b> PASS	<b>E. coli</b> PASS	<b>Mycotoxins</b> PASS	<b>Aspergillus</b> PASS	<b>Salmonella</b> PASS
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#### Sample Image



#### Residual Solvents (GC-MS) Analyzed: 12/29/22 By: SPS

SOP: 004	RL	ppm	Q
Propane	600.38	ND	
Butanes	600.38	ND	M3
Pentanes	139.29	ND	
Acetonitrile	196.93	ND	
Dichloromethane	288.18	ND	
Hexanes	139.29	ND	
Chloroform	28.82	ND	
n-Heptane	2401.5	ND	
Methanol	1440.9	ND	
Ethanol	2401.5	ND	
Diethyl Ether	2401.5	ND	
Acetone	480.31	ND	
Isopropanol	2401.5	ND	
Ethyl acetate	2401.5	ND	
Isopropyl acetate	2401.5	ND	
Benzene	0.96	ND	
Toluene	427.47	ND	
Xylenes	96.06	ND	

#### Cannabinoid (HPLC-DAD) Analyzed: 12/29/22 By: ZEN

SOP: 003	LOQ %	%	mg/g	Q
THC-A	1.58	69.01	690.1	D1
delta 9-THC	1.58	5.93	59	D1
delta 8-THC	0.05	0.08	0.8	
THC-V	0.05	0.06	0.6	
CBG-A	0.05	2.07	21	
CBD-A	0.05	0.17	1.7	
CBD	0.05	ND	ND	
CBD-V	0.05	ND	ND	
CBN	0.05	ND	ND	
CBG	0.05	0.48	4.8	
CBC	0.05	0.07	0.7	

#### Metals (ICP-MS) Analyzed: 01/04/23 By: KSG

SOP: 035	RL	ppm	Q
Arsenic	0.105	ND	
Cadmium	0.105	ND	
Lead	0.262	ND	
Mercury	0.105	ND	B2

#### Microbials (Petrifilm) Analyzed: 12/30/2022 By: ATF

SOP: 023	RL	Result	Units	Q
E. coli	10	<10	cfu/g	

#### Microbials (PCR) Analyzed: 12/30/2022 By: ATF

SOP: 015	RL	Result	Units	Q
Aspergillus	1.00	Not Detected	per gram	

#### Microbials (PCR) Analyzed: 1/4/2023 By: ATF

SOP: 028	RL	Result	Units	Q
Salmonella	1.00	Not Detected	per gram	

66.45 % 664.22 mg/g <b>Total THC</b>	0.15 % 1.49 mg/g <b>Total CBD</b>	77.87 % 778.70 mg/g <b>Total Cannabinoids</b>
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Total THC = THCa \* 0.877 + delta 9-THC; Total CBD = CBDa \* 0.877 + CBD

#### Mycotoxins (LC-MS/MS) Analyzed: 12/30/22 By: MLC

SOP: 011	RL	ppb	Q
Aflatoxins	9.69	ND	
Ochratoxins	9.69	ND	V1

RL = Reporting Limit  
NT = Not Tested  
ND = Non Detected  
LOQ = Limit of Quantitation

Erin Polly  
Technical Laboratory Director



Testing results were obtained according to requirements in the quality assurance plan in R9-17-404.05, in the applicable standard operating procedure, and in R9-17-404.03 or R9-17-404.04. Any variances from these requirements, and the reason for the variance, will be documented in the case narrative. Values reported only relate to the product tested. Desert Valley Testing makes no claims to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full without the written approval of Desert Valley Testing.



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Matrix: Concentrates

Pesticides (LC-MS/MS) Analyzed: 12/30/22 By: MLC							
SOP: 011	RL	ppm	Q		RL	ppm	Q
Acephate	0.194	ND		Acequinocyl	0.969	ND	
Acetamiprid	0.097	ND		Aldicarb	0.194	ND	
Azoxystrobin	0.097	ND		Bifenthrin	0.097	ND	
Boscalid	0.194	ND		Carbaryl	0.097	ND	
Carbofuran	0.097	ND		Chlorpyrifos	0.097	ND	
Diazinon	0.097	ND		Dimethoate	0.097	ND	
Ethoprophos	0.097	ND		Etofenprox	0.194	ND	M2
Etoxazole	0.097	ND		Fenoxycarb	0.097	ND	
Fenpyroximate E	0.194	ND	M2	Fonicamid	0.484	ND	
Fludioxonil	0.194	ND		Hexythiazox	0.484	ND	M2
Imazalil	0.097	ND		Imidacloprid	0.194	ND	
Kresoxim-methyl	0.194	ND		Malathion	0.097	ND	
Metalaxyl	0.097	ND		Methiocarb	0.097	ND	
Methomyl	0.194	ND		Myclobutanil	0.097	ND	
Naled	0.242	ND		Oxamyl	0.484	ND	
Piperonyl butoxide	0.969	ND		Propiconazole	0.194	ND	
Propoxure	0.097	ND		Spiromesifen	0.097	ND	
Spirotetramat	0.097	ND		Spiroxamine	0.194	ND	
Tebuconazole	0.194	ND		Thiacloprid	0.097	ND	
Thiamethoxam	0.097	ND		Trifloxystrobin	0.097	ND	
Abamectin	0.242	ND		Bifenazate	0.097	ND	L1, M1, N1
Chlorantraniliprole	0.097	ND		Clofentezine	0.097	ND	
Cyfluthrin	0.969	ND		Cypermethrin	0.484	ND	
Daminozide	0.484	ND		DDVP (Dichlorvos)	0.048	ND	
Fipronil	0.194	ND		Paclobutrazol	0.194	ND	M2
Permethrins	0.097	ND		Phosmet	0.097	ND	
Prallethrin	0.097	ND	M2	Pyrethrins	0.484	ND	M2
Pyridaben	0.097	ND		Spinosad	0.097	ND	M2
Chlorfenapyr	0.969	ND					

Herbicides (LC-MS/MS) Analyzed: By:			
SOP: 011	RL	ppm	Q
Pendimethalin	NT	NT	

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Microbials (Petrifilm) Analyzed: By:				
SOP: 006	RL	Result	Units	Q
Total Coliform	NT	NT	cfu/g	
Yeast	NT	NT	cfu/g	
Mold	NT	NT	cfu/g	
Aerobic Bacteria	NT	NT	cfu/g	

Terpenes (GC-MS) Analyzed: By:			
SOP: 005	mg/g	%	Q
alpha-Bisabolol	NT	NT	
(-)-Borneol and (+)-Borneol	NT	NT	
Camphene	NT	NT	
Camphor	NT	NT	
beta-Caryophyllene	NT	NT	
trans-Caryophyllene	NT	NT	
Caryophyllene Oxide	NT	NT	
alpha-Cedrene	NT	NT	
Cedrol	NT	NT	
Endo-fenchyl Alcohol	NT	NT	
Eucalyptol	NT	NT	
Fenchone	NT	NT	
Geraniol	NT	NT	
Geranyl acetate	NT	NT	
Guaiol	NT	NT	
Hexahydrothymol	NT	NT	
alpha-Humulene	NT	NT	
Isoborneol	NT	NT	
Isopulegol	NT	NT	
Limonene	NT	NT	
Linalool	NT	NT	
p-Mentha-1,5-diene	NT	NT	
beta-Myrcene	NT	NT	
trans-Nerolidol	NT	NT	
Ocimene	NT	NT	
alpha-Pinene	NT	NT	
beta-Pinene	NT	NT	
Pulegone	NT	NT	
Sabinene	NT	NT	
Sabinene Hydrate	NT	NT	
gamma-Terpinene	NT	NT	
alpha-Terpinene	NT	NT	
3-Carene	NT	NT	
Terpineol	NT	NT	
Terpinolene	NT	NT	
Valencene	NT	NT	
Nerol	NT	NT	
cis-Nerolidol	NT	NT	
<b>Total Terpenes</b>	NT	NT	

Water Activity (Water Activity Meter) Analyzed: By:			
SOP: 007	AW, 25 °C		Q
Water Activity		NT	

Moisture (Moisture Analyzer) Analyzed: By:			
SOP: 008	%		Q
Percent Moisture		NT	

pH Test (pH Meter) Analyzed: By:			
SOP: 022	NA		Q
pH		NT	

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### QUALIFIER DEFINITIONS

- B2 The target analyte detected in the calibration blank or the method blank is at or above the limit of quantitation, but the sample result is below the maximum allowable concentration for the analyte.
- D1 The limit of quantitation and the sample results were adjusted to reflect sample dilution.
- L1 The percent recovery of a laboratory control sample is greater than the acceptance limits, but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.
- M1 Matrix spike recovery is high, but the recovery from the laboratory control sample and duplicate are within acceptance criteria.
- M2 Matrix spike recovery is low, but the recovery from the laboratory control sample and duplicate are within acceptance criteria.
- M3 Matrix spike recovery is unusable because the analyte concentration is disproportionate to the spike level, but the recovery from the laboratory control sample and duplicate are within acceptance criteria.
- N1 Variance from ADHS requirements; see description in case narrative.
- V1 Continuing Calibration Verification (CCV) recovery exceeds acceptable limits; but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.

### CASE NARRATIVE

N1 - The recovery from initial calibration verification standard exceeded the acceptance limits, but the sample's target analytes were not detected above the maximum allowable concentrations for the analytes in the sample (Bifenazate).

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