



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

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1039 E. Carefree Hwy  
Phoenix, AZ 85085  
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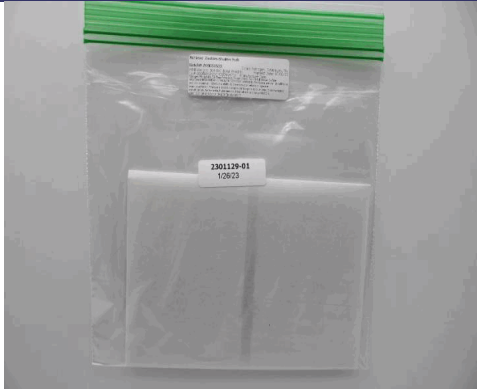
Additional Licenses:  
Batch #: ZKS061522; External Lot #:  
Source Batch #: ZKS061522  
Sample Batch Collection: 01/26/23 16:00  
Sample Received: 1/26/2023; Report Created: 2/2/2023

**Zookies Shatter**

Laboratory Number: 2301129-01  
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: 01/31/23 By: KSG**

SOP: 004	RL	ppm	Q
Propane	660.68	ND	L1, V1
Butanes	660.68	1748.7	
Pentanes	153.28	ND	
Acetonitrile	216.70	ND	
Dichloromethane	317.12	ND	
Hexanes	153.28	ND	
Chloroform	31.71	ND	
n-Heptane	2642.7	ND	
Methanol	1585.6	ND	
Ethanol	2642.7	ND	
Diethyl Ether	2642.7	ND	
Acetone	528.54	ND	
Isopropanol	2642.7	ND	
Ethyl acetate	2642.7	ND	
Isopropyl acetate	2642.7	ND	
Benzene	1.06	ND	L1, M1, V1
Toluene	470.40	ND	
Xylenes	105.71	ND	

**Cannabinoid (HPLC-DAD) Analyzed: 01/31/23 By: MLC**

SOP: 003	LOQ %	%	mg/g	Q
THC-A	1.50	83.46	834.6	D1
delta 9-THC	1.50	4.50	45	D1
delta 8-THC	0.05	ND	ND	
THC-V	0.05	ND	ND	
CBG-A	0.05	1.03	10	
CBD-A	0.05	0.21	2.1	
CBD	0.05	ND	ND	
CBD-V	0.05	ND	ND	
CBN	0.05	0.07	0.7	
CBG	0.05	ND	ND	
CBC	0.05	ND	ND	

**Metals (ICP-MS) Analyzed: 02/01/23 By: ZEN**

SOP: 035	RL	ppm	Q
Arsenic	0.102	ND	L1
Cadmium	0.102	ND	
Lead	0.254	ND	
Mercury	0.102	ND	

**Microbials (Petrifilm) Analyzed: 2/2/2023 By: ATF**

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

**Microbials (PCR) Analyzed: 2/1/2023 By: ATF**

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

**Microbials (PCR) Analyzed: 1/31/2023 By: ATF**

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

<b>Total THC</b> 77.69 % 776.94 mg/g	<b>Total CBD</b> 0.19 % 1.84 mg/g	<b>Total Cannabinoids</b> 89.27 % 892.40 mg/g
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Total THC = THCa \* 0.877 + delta 9-THC; Total CBD = CBDa \* 0.877 + CBD

**Mycotoxins (LC-MS/MS) Analyzed: 01/30/23 By: SPS**

SOP: 011	RL	ppb	Q
Aflatoxins	10.7	ND	
Ochratoxins	10.7	ND	

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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**Certificate of Analysis**  
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Pesticides (LC-MS/MS) Analyzed: 01/30/23 By: EGP							
SOP: 011	RL	ppm	Q		RL	ppm	Q
Acephate	0.213	ND		Acequinocyl	1.07	ND	
Acetamiprid	0.107	ND		Aldicarb	0.213	ND	
Azoxystrobin	0.107	ND		Bifenthrin	0.107	ND	
Boscalid	0.213	ND		Carbaryl	0.107	ND	R1
Carbofuran	0.107	ND		Chlorpyrifos	0.107	ND	
Diazinon	0.107	ND		Dimethoate	0.107	ND	
Ethoprophos	0.107	ND		Etofenprox	0.213	ND	
Etoxazole	0.107	ND		Fenoxycarb	0.107	ND	N1
Fenpyroximate E	0.213	ND		Fonicamid	0.533	ND	
Fludioxonil	0.213	ND		Hexythiazox	0.533	ND	
Imazalil	0.107	ND		Imidacloprid	0.213	ND	
Kresoxim-methyl	0.213	ND		Malathion	0.107	ND	
Metalaxyl	0.107	ND		Methiocarb	0.107	ND	
Methomyl	0.213	ND		Myclobutanil	0.107	ND	
Naled	0.267	ND		Oxamyl	0.533	ND	
Piperonyl butoxide	1.07	ND		Propiconazole	0.213	ND	
Propoxure	0.107	ND		Spiromesifen	0.107	ND	
Spirotetramat	0.107	ND		Spiroxamine	0.213	ND	
Tebuconazole	0.213	ND		Thiacloprid	0.107	ND	
Thiamethoxam	0.107	ND		Trifloxystrobin	0.107	ND	
Abamectin	0.267	ND		Bifenazate	0.107	ND	
Chlorantraniliprole	0.107	ND	N1	Clofentezine	0.107	ND	
Cyfluthrin	1.07	ND		Cypermethrin	0.533	ND	
Daminozide	0.533	ND		DDVP (Dichlorvos)	0.053	ND	M2
Fipronil	0.213	ND		Paclobutrazol	0.213	ND	
Permethrins	0.107	ND	M2	Phosmet	0.107	ND	
Prallethrin	0.107	ND		Pyrethrins	0.533	ND	M1
Pyridaben	0.107	ND		Spinosad	0.107	ND	L1, N1
Chlorfenapyr	1.07	ND	M2				

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: 01/31/23 By: ZEN			
SOP: 005	mg/g	%	Q
alpha-Bisabolol	1.3	0.13	
(-)-Borneol and (+)-Borneol	ND	ND	
Camphene	ND	ND	
Camphor	ND	ND	
beta-Caryophyllene	ND	ND	
trans-Caryophyllene	6.1	0.61	
Caryophyllene Oxide	ND	ND	
alpha-Cedrene	ND	ND	
Cedrol	ND	ND	
Endo-fenchyl Alcohol	1.0	0.10	
Eucalyptol	ND	ND	
Fenchone	ND	ND	
Geraniol	ND	ND	
Geranyl acetate	ND	ND	
Guaial	ND	ND	
Hexahydrothymol	ND	ND	
alpha-Humulene	3.8	0.38	
Isoborneol	ND	ND	
Isopulegol	ND	ND	
Limonene	12	1.22	
Linalool	2.7	0.27	
p-Mentha-1,5-diene	ND	ND	
beta-Myrcene	1.2	0.12	
trans-Nerolidol	ND	ND	
Ocimene	ND	ND	
alpha-Pinene	1.8	0.18	
beta-Pinene	1.9	0.19	
Pulegone	ND	ND	
Sabinene	ND	ND	
Sabinene Hydrate	ND	ND	
gamma-Terpinene	ND	ND	
alpha-Terpinene	ND	ND	
3-Carene	ND	ND	
Terpineol	1.0	0.10	
Terpinolene	ND	ND	
Valencene	ND	ND	
Nerol	ND	ND	
cis-Nerolidol	ND	ND	
<b>Total Terpenes</b>	<b>33.00</b>	<b>3.31</b>	

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

- 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.
- N1 Variance from ADHS requirements; see description in case narrative.
- R1 The relative percent difference (RPD) for the laboratory control sample and duplicate is more than 20%, but the percent recovery for the laboratory control sample and duplicate is within acceptance criteria.
- 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 (Chlorantraniliprole, Fenoxycarb, Spinosyn)

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