

High Grade Confidential

License#: 2320 E Baseline Rd Ste 490
Phoenix, AZ 85042
(520) 780-7740

Additional Licenses:
Batch #: 08090821; External Lot #:
Sample Batch Collection: 09/15/21 10:45; Sample Batch Collected By: High Grade Confiden
Sample Received: 9/15/2021; Report Created: 9/29/2021

Zookies

Laboratory Number: 2109114-04
Flower

Herbicides Not Tested	Pesticides PASS	Residual Solvents Not Tested	Metals PASS	Mycotoxins Not Tested	Aspergillus PASS	E. Coli/ Salmonella PASS
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Sample Image



Residual Solvents (GCMS-MS) Analyzed: By:

Analyte	RL	ppm	Q
Propane	NT	NT	
Butanes	NT	NT	
Pentanes	NT	NT	
Acetonitrile	NT	NT	
Dichloromethane	NT	NT	
Hexanes	NT	NT	
Chloroform	NT	NT	
n-Heptane	NT	NT	
Methanol	NT	NT	
Ethanol	NT	NT	
Diethyl Ether	NT	NT	
Acetone	NT	NT	
Isopropanol	NT	NT	
Ethyl acetate	NT	NT	
Isopropyl acetate	NT	NT	
Benzene	NT	NT	
Toluene	NT	NT	
Xylenes	NT	NT	

Cannabinoid (HPLC) Analyzed: 09/17/21 By: CBH

Analyte	LOQ %	%	mg/g	Q
THC-A	0.52	18.88	188.8	D1
delta 9-THC	0.05	0.41	4.1	
delta 8-THC	0.05	ND	ND	
THC-V	0.05	ND	ND	
CBG-A	0.05	0.41	4.1	
CBD-A	0.05	0.06	0.6	
CBD	0.05	ND	ND	
CBD-V	0.05	ND	ND	
CBN	0.05	ND	ND	
CBG	0.05	ND	ND	
CBC	0.05	0.05	0.5	

Metals (ICP-MS) Analyzed: 09/21/21 By: MLC

Element	RL	ppm	Q
Arsenic	0.100	ND	M1
Cadmium	0.100	ND	
Lead	0.100	ND	
Mercury	0.010	ND	

Regulated Microbials (Petrifilm) Analyzed: 9/17/2021 By: NKB

Pathogens	RL	Result	Units	Q
E. coli	10.0	ND	cfu/g	

Regulated Microbials (PCR) Analyzed: 9/20/2021 By: BMR

Pathogens	RL	Result	Units	Q
Aspergillus	1.00	Absent	cfu/g	
Salmonella	1.00	Absent	cfu/g	

17.01 % 170.13 mg/g Total THC	0.05 % 0.49 mg/g Total CBD	19.80 % 198.00 mg/g Total Cannabinoids
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Total THC = THCa * 0.877 + delta 9-THC + delta 8-THC; Total CBD = CBDA * 0.877 + CBD

Regulated Mycotoxins (LC-MS TQ) Analyzed: By:

Pathogens	RL	ppb	Q
Aflatoxins	NT	NT	
Ochratoxins	NT	NT	

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Erin Polly
Technical Laboratory Director

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Pesticides (LC-MS TQ) Analyzed: 09/20/21 By: LEH							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.222	ND	M2, V1	Acequinocyl	1.11	ND	V1
Acetamiprid	0.111	ND	M2	Aldicarb	0.222	ND	
Azoxystrobin	0.111	ND		Bifenthrin	0.111	ND	
Boscalid	0.222	ND		Carbaryl	0.111	ND	
Carbofuran	0.111	ND		Chlorpyrifos	0.111	ND	
Diazinon	0.111	ND		Dimethoate	0.111	ND	M2
Ethoprophos	0.111	ND		Etofenprox	0.222	ND	
Etoxazole	0.111	ND		Fenoxycarb	0.111	ND	
Fenpyroximate E	0.222	ND		Fonicamid	0.554	ND	
Fludioxonil	0.222	ND		Hexythiazox	0.554	ND	
Imazalil	0.111	ND	L1	Imidacloprid	0.222	ND	M3
Kresoxim-methyl	0.222	ND		Malathion	0.111	ND	
Metalaxyl	0.111	ND		Methiocarb	0.111	ND	
Methomyl	0.222	ND		Myclobutanil	0.111	ND	
Naled	0.277	ND		Oxamyl	0.554	ND	
Piperonyl butoxide	1.11	ND		Propiconazole	0.222	ND	
Propoxure	0.111	ND		Spiromesifen	0.111	ND	
Spirotetramat	0.111	ND		Spiroxamine	0.222	ND	V1
Tebuconazole	0.222	ND		Thiacloprid	0.111	ND	
Thiamethoxam	0.111	ND		Trifloxystrobin	0.111	ND	
Abamectin	0.277	ND	R1	Bifenazate	0.111	ND	V1
Chlorantraniliprole	0.111	ND		Clofentezine	0.111	ND	
Cyfluthrin	1.11	ND	V1	Cypermethrin	0.554	ND	
Daminozide	0.554	ND	V1	DDVP (Dichlorvos)	0.055	ND	R1
Fipronil	0.222	ND		Paclobutrazol	0.222	ND	
Permethrins	0.111	ND	R1, V1	Phosmet	0.111	ND	
Prallethrin	0.111	ND	V1	Pyrethrins	0.554	ND	V1
Pyridaben	0.111	ND		Spinosad	0.111	ND	L1, M1, V1
Chlorfenapyr	1.11	ND					

Herbicides (LC-MS TQ) Analyzed: By:			
Analyte	RL	ppm	Q
Pendimethalin	NT	NT	

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Non-Regulated Microbials (PetriFilms) Analyzed: By:

	RL	Result	Units	Q
Pathogens				
Total Coliform	NT	NT	cfu/g	
Yeast	NT	NT	cfu/g	
Mold	NT	NT	cfu/g	
Aerobic Bacteria	NT	NT	cfu/g	
Enterobacteria	NT	NT	cfu/g	

Terpenes (GCMS-MS) Analyzed: By:

Compound	%	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	
Total Terpenes	NT	NT	

Water Activity (Moisture Reacter) Analyzed: By:

Compound	AW	Q
Water Activity	NT	

Moisture (Drying Oven) Analyzed: By:

Compound	%	Q
Percent Moisture	NT	

pH Test (HannHI11310) Analyzed: By:

Compound	NA	Q
pH	NT	

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Certificate of Analysis

00000003LCIN00627986

51 W. Weldon Ave

Phoenix, AZ

(480) 788-6644

www.desertvalleytesting.com

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QUALIFIER DEFINITIONS AND CASE NARRATIVE

- Q3 Testing results is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R 9-17-317.01(A) or labeling requirements in R9-17-317.
- N1 Terpenes not regulated as per ADHS.
- 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.
- 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) or Quality Control Sample (QCS) recovery exceeds acceptable limits; but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.

Testing results were obtained according to requirements in the quality assurance plan in R 9-17-404.05, in the applicable standard operating procedure, and in R9-17- 404.03 or R9-17-404.04; A description of any variances from the requirements, and the reason for the variance will be described in the Work Order memo.

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