

High Grade Confidential

License#: 00000077DCPS00216601
2320 E Baseline Rd Ste 490
Phoenix, AZ 85042
(520) 780-7740

Additional Licenses:
Batch #: 07/141110321; External Lot #:
Sample Batch Collection: 11/12/21 11:13; Sample Batch Collected By: High Grade Confiden
Sample Received: 11/12/2021; Report Created: 12/7/2021

Hemlock

Laboratory Number: 2111140-14
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: 11/22/21 By: HMH

Analyte	LOQ %	%	mg/g	Q
THC-A	0.46	25.44	254.4	D1
delta 9-THC	0.05	0.51	5.1	
delta 8-THC	0.05	ND	ND	
THC-V	0.05	ND	ND	
CBG-A	0.05	0.98	9.8	
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	0.10	1	
CBC	0.05	ND	ND	

Metals (ICP-MS) Analyzed: 11/24/21 By: JVR

Element	RL	ppm	Q
Arsenic	0.098	ND	
Cadmium	0.098	ND	
Lead	0.098	ND	
Mercury	0.010	ND	

Regulated Microbials (Petrifilm) Analyzed: 11/21/2021 By: TCJ

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

Regulated Microbials (PCR) Analyzed: 11/22/2021 By: MEF

Pathogens	RL	Result	Units	Q
Aspergillus	1.00	Absent	per gram	
Salmonella	1.00	Absent	per gram	

22.82 % 228.15 mg/g Total THC	0.06 % 0.56 mg/g Total CBD	27.10 % 271.00 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: 11/22/21 By: LEH							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.214	ND		Acequinocyl	1.07	ND	
Acetamiprid	0.107	ND		Aldicarb	0.214	ND	
Azoxystrobin	0.107	ND		Bifenthrin	0.107	ND	
Boscalid	0.214	ND		Carbaryl	0.107	ND	
Carbofuran	0.107	ND		Chlorpyrifos	0.107	ND	
Diazinon	0.107	ND		Dimethoate	0.107	ND	
Ethoprophos	0.107	ND		Etofenprox	0.214	ND	
Etoxazole	0.107	ND		Fenoxycarb	0.107	ND	
Fenpyroximate E	0.214	ND		Fonicamid	0.536	ND	
Fludioxonil	0.214	ND		Hexythiazox	0.536	ND	
Imazalil	0.107	ND	L1, M1, R1	Imidacloprid	0.214	ND	
Kresoxim-methyl	0.214	ND		Malathion	0.107	ND	
Metalaxyl	0.107	ND		Methiocarb	0.107	ND	
Methomyl	0.214	ND		Myclobutanil	0.107	ND	
Naled	0.268	ND		Oxamyl	0.536	ND	
Piperonyl butoxide	1.07	ND		Propiconazole	0.214	ND	
Propoxure	0.107	ND		Spiromesifen	0.107	ND	
Spirotetramat	0.107	ND		Spiroxamine	0.214	ND	
Tebuconazole	0.214	ND		Thiacloprid	0.107	ND	
Thiamethoxam	0.107	ND		Trifloxystrobin	0.107	ND	
Abamectin	0.268	ND		Bifenazate	0.107	ND	V1
Chlorantraniliprole	0.107	ND		Clofentezine	0.107	ND	
Cyfluthrin	1.07	ND	R1, V1	Cypermethrin	0.536	ND	
Daminozide	0.536	ND	L1, V1	DDVP (Dichlorvos)	0.054	ND	
Fipronil	0.214	ND		Paclobutrazol	0.214	ND	
Permethrins	0.107	ND	V1	Phosmet	0.107	ND	
Prallethrin	0.107	ND	V1	Pyrethrins	0.536	ND	V1
Pyridaben	0.107	ND		Spinosad	0.107	ND	L1
Chlorfenapyr	1.07	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:

	%	mg/g	Q
Compound			
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 Reactor) Analyzed: By:

	AW	Q
Compound		
Water Activity	NT	

Moisture (Drying Oven) Analyzed: By:

	%	Q
Compound		
Percent Moisture	NT	NT

pH Test (HannHI11310) Analyzed: By:

	NA	Q
Compound		
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.
- 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.
- 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.

Terpene analysis not regulated by Arizona Department of Health .

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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