

## High Grade Confidential

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

Additional Licenses:

Batch #: 05061621; External Lot #:

Sample Batch Collection: 06/23/21 15:41; Sample Batch Collected By: High Grade Confiden  
Sample Received: 6/25/2021; Report Created: 10/29/2021

Hemlock

Laboratory Number: 2106269-03  
Flower

<b>Herbicides</b> PASS	<b>Pesticides</b> PASS	<b>Residual Solvents</b> PASS	<b>Metals</b> PASS	<b>Mycotoxins</b> Not Tested	<b>Aspergillus</b> PASS	<b>E. Coli/ Salmonella</b> PASS
---------------------------	---------------------------	----------------------------------	-----------------------	---------------------------------	----------------------------	------------------------------------

### Sample Image



### Residual Solvents (GCMS-MS) Analyzed: 07/02/21 By: LEH

Analyte	RL	ppm	Q
Propane	625.00	ND	L1, M1, V1
Butanes	625.00	ND	V1
Pentanes	145.00	ND	
Acetonitrile	205.00	ND	
Dichloromethane	300.00	ND	
Hexanes	145.00	ND	
Chloroform	30.00	ND	
n-Heptane	2500.0	ND	
Methanol	1500.0	ND	
Ethanol	2500.0	ND	
Diethyl Ether	2500.0	ND	
Acetone	500.00	ND	
Isopropanol	2500.0	ND	
Ethyl acetate	2500.0	ND	
Isopropyl acetate	2500.0	ND	
Benzene	1.00	ND	
Toluene	445.00	ND	
Xylenes	100.00	ND	

### Cannabinoid (HPLC) Analyzed: 07/01/21 By: CBH

Analyte	LOQ %	%	mg/g	Q
THC-A	0.50	28.18	281.8	D1
delta 9-THC	0.05	0.73	7.3	
delta 8-THC	0.05	0.05	0.5	
THC-V	0.05	0.08	0.8	
CBG-A	0.05	1.10	11	
CBD-A	0.05	0.09	0.9	
CBD	0.05	ND	ND	
CBD-V	0.05	ND	ND	
CBN	0.05	ND	ND	
CBG	0.05	0.15	1.5	
CBC	0.05	ND	ND	

### Metals (ICP-MS) Analyzed: 07/06/21 By: JVR

Element	RL	ppm	Q
Arsenic	0.021	ND	
Cadmium	0.021	ND	
Lead	0.021	ND	
Mercury	0.002	ND	M1

### Regulated Microbials (Petrifilm) Analyzed: 7/1/2021 By: NKB

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

### Regulated Microbials (PCR) Analyzed: 7/1/2021 By: MEF

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

25.49 % 254.88 mg/g <b>Total THC</b>	0.08 % 0.78 mg/g <b>Total CBD</b>	30.40 % 304.00 mg/g <b>Total Cannabinoids</b>
--	---	---

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	

RL = Reporting Limit  
NA = Not Applicable  
NT = Not Tested  
ND = Non Detected  
LOQ = Limit of Quantification



Erin Polly  
Technical Laboratory Director

This product has been tested by Desert Valley Testing using valid testing methodologies. 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.

## High Grade Confidential

License#: 00000077DCPS00216601

2320 E Baseline Rd Ste 490

Phoenix, AZ 85042

(520) 780-7740

Additional Licenses:

Batch #: 05061621; External Lot #:

Sample Batch Collection:06/23/21 15:41; Sample Batch Collected By:High Grade Confiden

Sample Received:6/25/2021; Report Created: 10/29/2021

Hemlock

Laboratory Number: 2106269-03  
Flower

Pesticides (LC-MS TQ) Analyzed: 07/15/21 By: MLC							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.204	ND		Acequinocyl	1.02	ND	
Acetamiprid	0.102	ND		Aldicarb	0.204	ND	
Azoxystrobin	0.102	ND		Bifenthrin	0.102	ND	
Boscalid	0.204	ND	R1, V1	Carbaryl	0.102	ND	
Carbofuran	0.102	ND		Chlorpyrifos	0.102	ND	
Diazinon	0.102	ND		Dimethoate	0.102	ND	
Ethoprophos	0.102	ND		Etofenprox	0.204	ND	
Etoxazole	0.102	ND		Fenoxycarb	0.102	ND	
Fenpyroximate E	0.204	ND		Fonicamid	0.510	ND	
Fludioxonil	0.204	ND		Hexythiazox	0.510	ND	
Imazalil	0.102	ND		Imidacloprid	0.204	ND	
Kresoxim-methyl	0.204	ND		Malathion	0.102	ND	
Metalaxyl	0.102	ND		Methiocarb	0.102	ND	
Methomyl	0.204	ND		Myclobutanil	0.102	ND	
Naled	0.255	ND		Oxamyl	0.510	ND	
Piperonyl butoxide	1.02	ND		Propiconazole	0.204	ND	
Propoxure	0.102	ND		Spiromesifen	0.102	ND	
Spirotetramat	0.102	ND		Spiroxamine	0.204	ND	
Tebuconazole	0.204	ND		Thiacloprid	0.102	ND	
Thiamethoxam	0.102	ND		Trifloxystrobin	0.102	ND	
Abamectin	0.255	ND		Bifenazate	0.102	ND	
Chlorantraniliprole	0.102	ND		Clofentezine	0.102	ND	
Cyfluthrin	0.510	ND		Cypermethrin	0.510	ND	
Daminozide	0.510	ND		DDVP (Dichlorvos)	0.051	ND	N1
Fipronil	0.204	ND		Paclobutrazol	0.204	ND	
Permethrins	0.102	ND		Phosmet	0.102	ND	
Prallethrin	0.102	ND	V1	Pyrethrins	0.510	ND	
Pyridaben	0.102	ND	M2	Spinosad	0.102	ND	
Chlorfenapyr	1.02	ND					

Herbicides (LC-MS TQ) Analyzed: 07/17/21 By: MLC			
Analyte	RL	ppm	Q
Pendimethalin	0.051	ND	

RL = Reporting Limit  
NA = Not Applicable  
NT = Not Tested  
ND = Non Detected  
LOQ = Limit of Quantification



Erin Polly  
Technical Laboratory Director

This product has been tested by Desert Valley Testing using valid testing methodologies. 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.

## High Grade Confidential

License#: 00000077DCPS00216601

2320 E Baseline Rd Ste 490

Phoenix, AZ 85042

(520) 780-7740

Additional Licenses:

Batch #: 05061621; External Lot #:

Sample Batch Collection:06/23/21 15:41; Sample Batch Collected By:High Grade Confiden

Sample Received:6/25/2021; Report Created: 10/29/2021

Hemlock

Laboratory Number: 2106269-03  
Flower

Non-Regulated Microbials (PetriFilms) Analyzed: By:

	RL	Result	Units	Q
<b>Pathogens</b>				
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	
<b>Total Terpenes</b>	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	

RL = Reporting Limit  
NA = Not Applicable  
NT = Not Tested  
ND = Non Detected  
LOQ = Limit of Quantification



Erin Polly  
Technical Laboratory Director

This product has been tested by Desert Valley Testing using valid testing methodologies. 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.



# Certificate of Analysis

00000003LCIN00627986

51 W. Weldon Ave

Phoenix, AZ

(480) 788-6644

www.desertvalleytesting.com

## High Grade Confidential

License#: 00000077DCPS00216601

2320 E Baseline Rd Ste 490

Phoenix, AZ 85042

(520) 780-7740

Additional Licenses:

Batch #: 05061621; External Lot #:

Sample Batch Collection:06/23/21 15:41; Sample Batch Collected By:High Grade Confiden

Sample Received:6/25/2021; Report Created: 10/29/2021

Hemlock

Laboratory Number: 2106269-03

Flower

### 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.
- N1 A description of any variances from the requirements in the QAP, the applicable SOPs, or that Administration made to ensure scientifically valid and defensible testing results, and the reason for the variance; see 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) 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.

N1-Pesticide full list approved by ADHS. Dichlorvos was analyzed on an instrument that was in an audit response pending validation approval. All ADHS acceptance criteria was acceptable.

RL = Reporting Limit  
 NA = Not Applicable  
 NT = Not Tested  
 ND = Non Detected  
 LOQ = Limit of Quantification

Erin Polly  
Technical Laboratory Director

This product has been tested by Desert Valley Testing using valid testing methodologies. 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.