

High Grade Confidential

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

Additional Licenses:
Batch #: 04060221
Sample Batch Collection: 06/11/21 09:42; Sample Batch Collected By: High Grade Confiden
Sample Received: 6/11/2021; Report Created: 7/12/2021

Hemlock

Laboratory Number: 2106135-03
Flower

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

Sample Image



Residual Solvents (GCMS-MS) Analyzed: 06/26/21 By: LEH

Analyte	RL	ppm	Q
Propane	625.00	ND	V1
Butanes	625.00	ND	
Pentanes	145.00	ND	
Acetonitrile	205.00	ND	
Dichloromethane	300.00	ND	
Hexanes	145.00	ND	
Chloroform	30.00	ND	R1
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	L1
Toluene	445.00	ND	L1
Xylenes	100.00	ND	

Cannabinoid (HPLC) Analyzed: 06/21/21 By: MLC

Analyte	LOQ %	%	mg/g	Q
THC-A	0.52	28.18	281.8	D1
delta 9-THC	0.05	0.78	7.8	
delta 8-THC	0.05	ND	ND	
THC-V	0.05	ND	ND	
CBG-A	0.05	1.25	12.5	
CBD-A	0.05	0.10	1	
CBD	0.05	ND	ND	
CBD-V	0.05	ND	ND	
CBN	0.05	ND	ND	
CBG	0.05	0.14	1.4	
CBC	0.05	ND	ND	

Metals (ICP-MS) Analyzed: 06/23/21 By: JVR

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

Regulated Microbials (Petrifilm) Analyzed: 6/16/2021 By: NKB

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

Regulated Microbials (PCR) Analyzed: 6/16/2021 By: MEF

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

25.48 % 254.80 mg/g Total THC	0.08 % 0.84 mg/g Total CBD	30.40 % 304.00 mg/g Total Cannabinoids
--	---	---

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

Marie Comprone
Client Relations Supervisor

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

Additional Licenses:

Batch #: 04060221

Sample Batch Collection: 06/11/21 09:42; Sample Batch Collected By: High Grade Confiden
Sample Received: 6/11/2021; Report Created: 7/12/2021

Hemlock

Laboratory Number: 2106135-03
Flower

Pesticides (LC-MS TQ) Analyzed: 06/28/21 By: MLC							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.202	ND		Acequinocyl	1.01	ND	
Acetamiprid	0.101	ND		Aldicarb	0.202	ND	
Azoxystrobin	0.101	ND		Bifenthrin	0.101	ND	
Boscalid	0.202	ND	V1	Carbaryl	0.101	ND	
Carbofuran	0.101	ND		Chlorpyrifos	0.101	ND	
Diazinon	0.101	ND		Dimethoate	0.101	ND	
Ethoprophos	0.101	ND		Etofenprox	0.202	ND	
Etoxazole	0.101	ND		Fenoxycarb	0.101	ND	
Fenpyroximate E	0.202	ND		Fonicamid	0.504	ND	
Fludioxonil	0.202	ND		Hexythiazox	0.504	ND	
Imazalil	0.101	ND		Imidacloprid	0.202	ND	
Kresoxim-methyl	0.202	ND		Malathion	0.101	ND	
Metalaxyl	0.101	ND		Methiocarb	0.101	ND	
Methomyl	0.202	ND		Myclobutanil	0.101	ND	
Naled	0.252	ND		Oxamyl	0.504	ND	
Piperonyl butoxide	1.01	ND		Propiconazole	0.202	ND	
Propoxure	0.101	ND		Spiromesifen	0.101	ND	
Spirotetramat	0.101	ND		Spiroxamine	0.202	ND	
Tebuconazole	0.202	ND		Thiacloprid	0.101	ND	
Thiamethoxam	0.101	ND		Trifloxystrobin	0.101	ND	
Abamectin	0.252	ND		Bifenazate	0.101	ND	V1
Chlorantraniliprole	0.101	ND		Clofentezine	0.101	ND	
Cyfluthrin	0.504	ND		Cypermethrin	0.504	ND	
Daminozide	0.504	ND		DDVP (Dichlorvos)	0.050	ND	N1
Fipronil	0.202	ND		Paclobutrazol	0.202	ND	
Permethrins	0.101	ND		Phosmet	0.101	ND	
Prallethrin	0.101	ND	V1	Pyrethrins	0.504	ND	
Pyridaben	0.101	ND		Spinosad	0.101	ND	
Chlorfenapyr	1.01	ND					

Herbicides (LC-MS TQ) Analyzed: 07/10/21 By: MLC			
Analyte	RL	ppm	Q
Pendimethalin	0.050	ND	

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

Marie Comprone
Client Relations Supervisor

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

Additional Licenses:
Batch #: 04060221

Sample Batch Collection: 06/11/21 09:42; Sample Batch Collected By: High Grade Confiden
Sample Received: 6/11/2021; Report Created: 7/12/2021

Hemlock

Laboratory Number: 2106135-03
Flower

Non-Regulated Microbials (PetriFilms) Analyzed: By:

	RL	Result	Units	Q
Pathogens				
Total Coliform	NT	NT	cfu/g	Q3
Yeast	NT	NT	cfu/g	Q3
Mold	NT	NT	cfu/g	Q3
Aerobic Bacteria	NT	NT	cfu/g	Q3
Enterobacteria	NT	NT	cfu/g	Q3

Terpenes (GCMS-MS) Analyzed: By:

	%	mg/g	Q
Compound			
alpha-Bisabolol	NT	NT	Q3
(-)-Borneol and (+)-Borneol	NT	NT	Q3
Camphene	NT	NT	Q3
Camphor	NT	NT	Q3
beta-Caryophyllene	NT	NT	Q3
trans-Caryophyllene	NT	NT	Q3
Caryophyllene Oxide	NT	NT	Q3
alpha-Cedrene	NT	NT	Q3
Cedrol	NT	NT	Q3
Endo-fenchyl Alcohol	NT	NT	Q3
Eucalyptol	NT	NT	Q3
Fenchone	NT	NT	Q3
Geraniol	NT	NT	Q3
Geranyl acetate	NT	NT	Q3
Guaiol	NT	NT	Q3
Hexahydrothymol	NT	NT	Q3
alpha-Humulene	NT	NT	Q3
Isoborneol	NT	NT	Q3
Isopulegol	NT	NT	Q3
Limonene	NT	NT	Q3
Linalool	NT	NT	Q3
p-Mentha-1,5-diene	NT	NT	Q3
beta-Myrcene	NT	NT	Q3
trans-Nerolidol	NT	NT	Q3
Ocimene	NT	NT	Q3
alpha-Pinene	NT	NT	Q3
beta-Pinene	NT	NT	Q3
Pulegone	NT	NT	Q3
Sabinene	NT	NT	Q3
Sabinene Hydrate	NT	NT	Q3
gamma-Terpinene	NT	NT	Q3
alpha-Terpinene	NT	NT	Q3
3-Carene	NT	NT	Q3
Terpineol	NT	NT	Q3
Terpinolene	NT	NT	Q3
Valencene	NT	NT	Q3
Nerol	NT	NT	Q3
cis-Nerolidol	NT	NT	Q3
Total Terpenes	NT	NT	Q3

Water Activity (Moisture Reacter) Analyzed: By:

	AW	Q
Compound		
Water Activity	NT	Q3

Moisture (Drying Oven) Analyzed: By:

	%	Q
Compound		
Percent Moisture	NT	Q3

pH Test (HannHI11310) Analyzed: By:

	NA	Q
Compound		
pH	NT	Q3

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

Marie Comprone
Client Relations Supervisor

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

Additional Licenses:
Batch #: 04060221

Sample Batch Collection:06/11/21 09:42; Sample Batch Collected By:High Grade Confiden
Sample Received:6/11/2021; Report Created: 7/12/2021

Hemlock

Laboratory Number: 2106135-03
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.
- 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.
- 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-Full list pesticides not approved per ADHS rules on Apollo (LC-QQQ). All QC passes acceptance criteria (Dichlorvos).

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

Marie Comprone
Client Relations Supervisor

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.