

High Grade Confidential

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

Additional Licenses:
Batch #: 03072821

Sample Batch Collection: 08/04/21 11:50; Sample Batch Collected By: High Grade Confiden
Sample Received: 8/4/2021; Report Created: 8/25/2021

Hemlock

Laboratory Number: 2108024-05
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: 08/24/21 By: LEH

| Analyte | RL | ppm | Q |
|-------------------|--------|-----|---|
| Propane | 625.00 | ND | |
| Butanes | 625.00 | ND | |
| 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: 08/10/21 By: CBH

| Analyte | LOQ % | % | mg/g | Q |
|-------------|-------|-------|-------|----|
| THC-A | 0.46 | 24.98 | 249.8 | D1 |
| delta 9-THC | 0.05 | 0.27 | 2.7 | |
| delta 8-THC | 0.05 | ND | ND | |
| THC-V | 0.05 | ND | ND | |
| CBG-A | 0.05 | 0.96 | 9.6 | |
| CBD-A | 0.05 | 0.08 | 0.8 | |
| CBD | 0.05 | ND | ND | |
| CBD-V | 0.05 | ND | ND | |
| CBN | 0.05 | 0.20 | 2 | |
| CBG | 0.05 | 0.12 | 1.2 | |
| CBC | 0.05 | ND | ND | |

Metals (ICP-MS) Analyzed: 08/11/21 By: JVR

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

Regulated Microbials (Petrifilm) Analyzed: 8/6/2021 By: LEF

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

Regulated Microbials (PCR) Analyzed: 8/10/2021 By: MEF

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

| | | |
|--|---|---|
| 22.17 % 221.73 mg/g Total THC | 0.07 % 0.68 mg/g Total CBD | 26.60 % 266.00 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 | |

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Erin Polly
Technical Laboratory Director

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| Pesticides (LC-MS TQ) Analyzed: 08/11/21 By: MLC | | | | | | | |
|--|-------|-----|----|-------------------|-------|-----|----|
| Analyte | RL | ppm | Q | Analyte | RL | ppm | Q |
| Acephate | 0.211 | ND | | Acequinocyl | 1.05 | ND | |
| Acetamiprid | 0.105 | ND | | Aldicarb | 0.211 | ND | |
| Azoxystrobin | 0.105 | ND | | Bifenthrin | 0.105 | ND | |
| Boscalid | 0.211 | ND | | Carbaryl | 0.105 | ND | |
| Carbofuran | 0.105 | ND | | Chlorpyrifos | 0.105 | ND | |
| Diazinon | 0.105 | ND | | Dimethoate | 0.105 | ND | |
| Ethoprophos | 0.105 | ND | | Etofenprox | 0.211 | ND | |
| Etoxazole | 0.105 | ND | | Fenoxycarb | 0.105 | ND | |
| Fenpyroximate E | 0.211 | ND | | Fonicamid | 0.527 | ND | |
| Fludioxonil | 0.211 | ND | | Hexythiazox | 0.527 | ND | |
| Imazalil | 0.105 | ND | | Imidacloprid | 0.211 | ND | |
| Kresoxim-methyl | 0.211 | ND | | Malathion | 0.105 | ND | |
| Metalaxyl | 0.105 | ND | | Methiocarb | 0.105 | ND | |
| Methomyl | 0.211 | ND | | Myclobutanil | 0.105 | ND | |
| Naled | 0.263 | ND | | Oxamyl | 0.527 | ND | |
| Piperonyl butoxide | 1.05 | ND | | Propiconazole | 0.211 | ND | |
| Propoxure | 0.105 | ND | | Spiromesifen | 0.105 | ND | |
| Spirotetramat | 0.105 | ND | | Spiroxamine | 0.211 | ND | |
| Tebuconazole | 0.211 | ND | | Thiacloprid | 0.105 | ND | |
| Thiamethoxam | 0.105 | ND | | Trifloxystrobin | 0.105 | ND | |
| Abamectin | 0.263 | ND | | Bifenazate | 0.105 | ND | V1 |
| Chlorantraniliprole | 0.105 | ND | | Clofentezine | 0.105 | ND | |
| Cyfluthrin | 1.05 | ND | | Cypermethrin | 0.527 | ND | |
| Daminozide | 0.527 | ND | V1 | DDVP (Dichlorvos) | 0.053 | ND | |
| Fipronil | 0.211 | ND | | Paclobutrazol | 0.211 | ND | |
| Permethrins | 0.105 | ND | | Phosmet | 0.105 | ND | |
| Prallethrin | 0.105 | ND | | Pyrethrins | 0.527 | ND | |
| Pyridaben | 0.105 | ND | | Spinosad | 0.105 | ND | |
| Chlorfenapyr | 1.05 | ND | | | | | |

| Herbicides (LC-MS TQ) Analyzed: 08/14/21 By: MLC | | | |
|--|-------|-----|---|
| Analyte | RL | ppm | Q |
| Pendimethalin | 0.053 | ND | |

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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 Reactor) 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.
- D1 The limit of quantitation and the sample results were adjusted to reflect sample dilution.
- M1 Matrix spike recovery is high, but the recovery from the laboratory control sample and duplicate are 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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