

## High Grade Confidential

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

Additional Licenses:  
Batch #: 010512213712

Sample Batch Collection: 06/25/21 07:54; Sample Batch Collected By: High Grade Confiden  
Sample Received: 6/25/2021; Report Created: 7/22/2021

Dr. Who Budder

Laboratory Number: 2106267-02  
Concentrates

|                           |                           |                                  |                       |                           |                            |                                    |
|---------------------------|---------------------------|----------------------------------|-----------------------|---------------------------|----------------------------|------------------------------------|
| <b>Herbicides</b><br>PASS | <b>Pesticides</b><br>PASS | <b>Residual Solvents</b><br>PASS | <b>Metals</b><br>PASS | <b>Mycotoxins</b><br>PASS | <b>Aspergillus</b><br>PASS | <b>E. Coli/ Salmonella</b><br>PASS |
|---------------------------|---------------------------|----------------------------------|-----------------------|---------------------------|----------------------------|------------------------------------|

Sample Image



Residual Solvents (GCMS-MS) Analyzed: 07/10/21 By: LEH

| Analyte           | RL     | ppm | Q      |
|-------------------|--------|-----|--------|
| Propane           | 625.00 | ND  | M2     |
| Butanes           | 625.00 | ND  | M2     |
| Pentanes          | 145.00 | ND  | M2     |
| Acetonitrile      | 205.00 | ND  | L1, N1 |
| Dichloromethane   | 300.00 | ND  | L1, N1 |
| Hexanes           | 145.00 | ND  |        |
| Chloroform        | 30.00  | ND  | M1     |
| n-Heptane         | 2500.0 | ND  |        |
| Methanol          | 1500.0 | ND  | L1, N1 |
| Ethanol           | 2500.0 | ND  | L1, N1 |
| Diethyl Ether     | 2500.0 | ND  |        |
| Acetone           | 500.00 | ND  | L1, N1 |
| Isopropanol       | 2500.0 | ND  | L1, N1 |
| Ethyl acetate     | 2500.0 | ND  | L1, N1 |
| Isopropyl acetate | 2500.0 | ND  | L1, N1 |
| Benzene           | 1.00   | ND  |        |
| Toluene           | 445.00 | ND  |        |
| Xylenes           | 100.00 | ND  |        |

Cannabinoid (HPLC) Analyzed: 07/09/21 By: CBH

| Analyte     | LOQ % | %     | mg/g | Q  |
|-------------|-------|-------|------|----|
| THC-A       | 2.10  | 76.08 | 761  | D1 |
| delta 9-THC | 0.10  | 3.96  | 39.6 |    |
| delta 8-THC | 0.10  | ND    | ND   |    |
| THC-V       | 0.10  | 0.25  | 2.53 |    |
| CBG-A       | 0.10  | 1.53  | 15.3 |    |
| CBD-A       | 0.10  | 0.27  | 2.74 |    |
| CBD         | 0.10  | ND    | ND   | M1 |
| CBD-V       | 0.10  | ND    | ND   |    |
| CBN         | 0.10  | ND    | ND   |    |
| CBG         | 0.10  | 0.22  | 2.17 |    |
| CBC         | 0.10  | ND    | ND   |    |

Metals (ICP-MS) Analyzed: 07/12/21 By: JVR

| 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: 7/1/2021 By: BMR

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

Regulated Microbials (PCR) Analyzed: 7/2/2021 By: LEF

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

|  |   |   |
|--|---|---|
| 70.66 %<br>706.60 mg/g<br><b>Total THC</b> | 0.24 %<br>2.40 mg/g<br><b>Total CBD</b> | 82.30 %<br>823.00 mg/g<br><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: 07/18/21 By: EGP

| Pathogens   | RL    | ppb | Q          |
|-------------|-------|-----|------------|
| Aflatoxins  | 0.987 | ND  |            |
| Ochratoxins | 1.97  | ND  | L1, N1, V1 |

RL = Reporting Limit  
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Erin Polly  
Technical Laboratory Director

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# Certificate of Analysis

00000003LCIN00627986

51 W. Weldon Ave

Phoenix, AZ

(480) 788-6644

www.desertvalleytesting.com

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| Pesticides (LC-MS TQ) Analyzed: 07/18/21 By: MLC |       |     |    |                   |       |     |    |
|--|-------|-----|----|-------------------|-------|-----|----|
| Analyte  | RL    | ppm | Q  | Analyte           | RL    | ppm | Q  |
| Acephate   | 0.197 | ND  |    | Acequinocyl       | 0.987 | ND  |    |
| Acetamiprid                                      | 0.099 | ND  |    | Aldicarb          | 0.197 | ND  |    |
| Azoxystrobin                                     | 0.099 | ND  |    | Bifenthrin        | 0.099 | ND  |    |
| Boscalid   | 0.197 | ND  |    | Carbaryl          | 0.099 | ND  |    |
| Carbofuran                                       | 0.099 | ND  |    | Chlorpyrifos      | 0.099 | ND  |    |
| Diazinon   | 0.099 | ND  |    | Dimethoate        | 0.099 | ND  |    |
| Ethoprophos                                      | 0.099 | ND  |    | Etofenprox        | 0.197 | ND  |    |
| Etoxazole  | 0.099 | ND  |    | Fenoxycarb        | 0.099 | ND  |    |
| Fenpyroximate E                                  | 0.197 | ND  |    | Fonicamid         | 0.493 | ND  |    |
| Fludioxonil                                      | 0.197 | ND  |    | Hexythiazox       | 0.493 | ND  |    |
| Imazalil   | 0.099 | ND  |    | Imidacloprid      | 0.197 | ND  |    |
| Kresoxim-methyl                                  | 0.197 | ND  |    | Malathion         | 0.099 | ND  |    |
| Metalaxyl  | 0.099 | ND  |    | Methiocarb        | 0.099 | ND  |    |
| Methomyl   | 0.197 | ND  |    | Myclobutanil      | 0.099 | ND  | V1 |
| Naled  | 0.247 | ND  | V1 | Oxamyl            | 0.493 | ND  |    |
| Piperonyl butoxide                               | 0.987 | ND  |    | Propiconazole     | 0.197 | ND  |    |
| Propoxure  | 0.099 | ND  |    | Spiromesifen      | 0.099 | ND  |    |
| Spirotetramat                                    | 0.099 | ND  |    | Spiroxamine       | 0.197 | ND  |    |
| Tebuconazole                                     | 0.197 | ND  |    | Thiacloprid       | 0.099 | ND  |    |
| Thiamethoxam                                     | 0.099 | ND  |    | Trifloxystrobin   | 0.099 | ND  |    |
| Abamectin  | 0.247 | ND  |    | Bifenazate        | 0.099 | ND  |    |
| Chlorantraniliprole                              | 0.099 | ND  |    | Clofentezine      | 0.099 | ND  |    |
| Cyfluthrin                                       | 0.493 | ND  |    | Cypermethrin      | 0.493 | ND  |    |
| Daminozide                                       | 0.493 | ND  |    | DDVP (Dichlorvos) | 0.049 | ND  |    |
| Fipronil   | 0.197 | ND  |    | Paclobutrazol     | 0.197 | ND  |    |
| Permethrins                                      | 0.099 | ND  |    | Phosmet           | 0.099 | ND  |    |
| Prallethrin                                      | 0.099 | ND  | V1 | Pyrethrins        | 0.493 | ND  | V1 |
| Pyridaben  | 0.099 | ND  |    | Spinosad          | 0.099 | ND  |    |
| Chlorfenapyr                                     | 0.987 | ND  |    |                   |       |     |    |

| Herbicides (LC-MS TQ) Analyzed: 07/21/21 By: MLC |       |     |   |
|--|-------|-----|---|
| Analyte  | RL    | ppm | Q |
| Pendimethalin                                    | 0.049 | ND  |   |

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| Non-Regulated Microbials (PetriFilms) Analyzed: By: |    |        |       |    |
|---|----|--------|-------|----|
|   | RL | Result | Units | Q  |
| <b>Pathogens</b>                                    |    |        |       |    |
| 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  |
| <b>Compound</b>                  |      |    |    |
| 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 |
| <b>Total Terpenes</b>            | NT   | NT | Q3 |

| Water Activity (Moisture Reactor) Analyzed: By: |    |    |    |
|---|----|----|----|
|   |    | AW | Q  |
| <b>Compound</b>                                 |    |    |    |
| Water Activity                                  |    | NT | Q3 |
| Moisture (Drying Oven) Analyzed: By:            |    |    |    |
|   |    | %  | Q  |
| <b>Compound</b>                                 |    |    |    |
| Percent Moisture                                | NT | NT | Q3 |
| pH Test (HannHI11310) Analyzed: By:             |    |    |    |
|   |    | NA | Q  |
| <b>Compound</b>                                 |    |    |    |
| pH  |    | NT | Q3 |

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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.
- 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.
- 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: Matrix spike does not meet acceptance criteria (Acetonitrile, Dichloromethane, Methanol, Ethanol, Acetone, Isopropanol, Ethyl Acetate, Isopropyl Acetate)  
N1-Ochratoxin MS did not meet acceptance criteria.

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