







## SUMMARY OF ANALYSIS (SAMPLE ID: SA32487)

| Testing Location:             | Customer ID: 2161               | Order ID: OR10043  | Sample Type: Primary       |
|-------------------------------|---------------------------------|--------------------|----------------------------|
| Arkansas                      | River Valley Relief Cultivation | Lot Number:        | Matrix: Flower             |
| 232 S. Broadview St.          | 5601 Old Greenwood Rd Suite C   | M00065C13135939152 | <b>Mass:</b> 23.00g        |
| Greenbrier, AR 72058          | Fort Smith, AR 72903            | Production Run:    | Date Collected: 09/21/2022 |
| License: ADH 113              | License: 00065C                 | 1008H20220812LCB2  | Date Received: 09/22/2022  |
| Cultivar (Strain) or Sample D | Date Completed: 09/25/2022      |                    |                            |

\*This page is simply a summary of the analysis performed. For analytical details, please consult the individual Certificate(s) of Analysis for each of the specific test(s) performed. All contaminant action levels are referenced from the State of Arkansas MMJ testing guidelines.

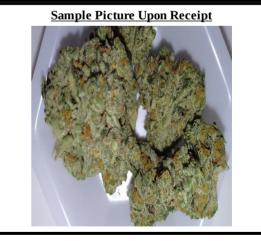
| Moisture Content (%) | Water Activity (aw) | PASS/FAIL |
|----------------------|---------------------|-----------|
| 10.9                 | 0.470 @ 22.7°C      | PASS      |

Moisture content/water activity action levels are referenced from the State of Arkansas MMJ testing guidelines.

Moisture content levels less than 15% are recommended but the sample does not fail. Water activity levels must be less than 0.65aw.

| <u>Cannabinoids (Top 3)</u>               | <u>(%)</u>              | <u>mg/g</u>               |
|---|-------------------------|---------------------------|
| THCA                                      | 22.7                    | 227                       |
| CBGA                                      | 1.72                    | 17.2                      |
| CBG                                       | 0.298                   | 2.98                      |
| TOTAL CBD                                 | -                       | -                         |
| TOTAL THC                                 | 20.2                    | 202                       |
| TOTAL CANNABINOIDS                        | 25.1                    | 251                       |
|   |                         |                           |
| <u>Terpenes (Top 5)</u>                   | <u>(%)</u>              | µg∕g                      |
| <u>Terpenes (Top 5)</u><br>d-Limonene     | <u>(%)</u><br>0.605     | <mark>µg/g</mark><br>6050 |
|   |                         |                           |
| d-Limonene                                | 0.605                   | 6050                      |
| d-Limonene<br>β-Caryophyllene             | 0.605<br>0.280          | 6050<br>2800              |
| d-Limonene<br>β-Caryophyllene<br>Linalool | 0.605<br>0.280<br>0.241 | 6050<br>2800<br>2410      |

| <b>Contaminants</b> | PASS/FAIL |
|---------------------|-----------|
| Heavy Metals:       | PASS      |
| Microbiology:       | PASS      |
| Pesticides:         | PASS      |





Scan the QR code to verify results.

This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms.

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## **CERTIFICATE OF ANALYSIS (SAMPLE ID: SA32487)**

| Testing Location:           | Customer ID: 2161               | Order ID: OR10043  | Sample Type: Primary       |
|-----------------------------|---------------------------------|--------------------|----------------------------|
| Arkansas                    | River Valley Relief Cultivation | Lot Number:        | Matrix: Flower             |
| 232 S. Broadview St.        | 5601 Old Greenwood Rd Suite C   | M00065C13135939152 | <b>Mass:</b> 23.00g        |
| Greenbrier, AR 72058        | Fort Smith, AR 72903            | Production Run:    | Date Collected: 09/21/2022 |
| License: ADH 113            | License: 00065C                 | 1008H20220812LCB2  | Date Received: 09/22/2022  |
| Cultivar (Strain) or Sample | Date Completed: 09/25/2022      |                    |                            |

#### CANNABINOID (POTENCY) PROFILE (SOP: SOP-CANN-001)

Analysis Date/Time: 9/23/2022 2050 Analyst: PW Method: HPLC/DAD Instrument: Agilent 1100 **Moisture Content (%):** 10.9 **Water Activity (aw):** 0.47 @ 22.68°C

| <u>Cannabinoid</u> | <u>Result</u><br>(%) | <u>UM</u><br>(+/-%) | <u>Result</u><br>(mg/g) | LOQ<br>(mg/g) | <u>Result</u><br>(mg/<br>mL) | <u>Per</u><br>Serving<br>(mg) | <u>Per</u><br><u>Unit</u><br>(mg) |
|--------------------|----------------------|---------------------|-------------------------|---------------|------------------------------|-------------------------------|-----------------------------------|
| CBC                | -                    | -                   | -                       | 0.250         | -                            | -                             | -                                 |
| CBCA               | -                    | -                   | -                       | 0.250         | -                            | -                             | -                                 |
| CBD                | -                    | -                   | -                       | 0.250         | -                            | -                             | -                                 |
| CBDA               | -                    | -                   | -                       | 0.250         | -                            | -                             | -                                 |
| CBDV               | -                    | -                   | -                       | 0.250         | -                            | -                             | -                                 |
| CBDVA              | -                    | -                   | -                       | 0.250         | -                            | -                             | -                                 |
| CBG                | 0.298                | 0.0387              | 2.98                    | 0.250         | -                            | 2.98                          | 2.98                              |
| CBGA               | 1.72                 | 0.190               | 17.2                    | 0.250         | -                            | 17.2                          | 17.2                              |
| CBL                | -                    | -                   | -                       | 0.250         | -                            | -                             | -                                 |
| CBN                | -                    | -                   | -                       | 0.250         | -                            | -                             | -                                 |
| CBNA               | -                    | -                   | -                       | 0.250         | -                            | -                             | -                                 |
| $\Delta 9$ -THC    | 0.276                | 0.0469              | 2.76                    | 0.250         | -                            | 2.76                          | 2.76                              |
| $\Delta 8$ -THC    | -                    | -                   | -                       | 0.250         | -                            | -                             | -                                 |
| THCA               | 22.7                 | 2.27                | 227                     | 0.250         | -                            | 227                           | 227                               |
| THCV               | -                    | -                   | -                       | 0.250         | -                            | -                             | -                                 |
| THCVA              | 0.137                | 0.00686             | 1.37                    | 0.250         | -                            | 1.37                          | 1.37                              |
| TOTAL              | 25.1                 | 2.55                | 251                     |               | -                            | 251                           | 251                               |
| TOTAL CBC          | -                    | -                   | -                       |               | -                            | -                             | -                                 |
| TOTAL CBD          | -                    | -                   | -                       |               | -                            | -                             | -                                 |
| TOTAL CBDV         | -                    | -                   | -                       |               | -                            | -                             | -                                 |
| TOTAL CBG          | 1.81                 | 0.205               | 18.1                    |               | -                            | 18.1                          | 18.1                              |
| TOTAL CBN          | -                    | -                   | -                       |               | -                            | -                             | -                                 |
| TOTAL THC          | 20.2                 | 2.03                | 202                     |               | -                            | 202                           | 202                               |
| TOTAL THCV         | 0.119                | 0.00595             | 1.19                    |               | -                            | 1.19                          | 1.19                              |

\* CBCA, CBDVA, CBL, CBNA, and THCVA are in process of being added to our accreditation scope.

*Abbreviations:* DAD - Diode Array Detector, HPLC - High Pressure Liquid Chromatography, RL - Reporting Limit, RPD - Relative Percent Difference, RSD - Relative Standard Deviation, DET - Detected (less than LOQ), LOD - Limit of Detection, LOQ - Limit of Quantitation, UM - Measurement Uncertainty

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SERVING MASS (g): 1.00 SERVINGS/UNIT: 1

"-" Not detected above LOD.

Deviations from standard operating procedure: None

Recoveries for all analyte standards: 90-110% Replicate Uncertainties: <5% RSD, <20% RPD Sample/Reagent Blanks: <RL for all analytes

Values for plant matter are adjusted for moisture content.

Total CBC = (CBCA x 0.877) + CBC Total CBD = (CBDA x 0.877) + CBD Total CBDV = (CBDVA x 0.867) + CBDV Total CBG = (CBGA x 0.878) + CBG Total CBN = (CBNA x 0.876) + CBN Total THC = (THCA x 0.877) +  $\Delta$ 9-THC Total THCV = (THCVA x 0.867) + THCV

Percentage results are reported by mass.

mg/g results are reported as mass component per mass material.

Kyle W. Felling, Ph.D. atory Directo



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| Cultivar (Strain) or Sample De | Date Completed: 09/25/2022      |                    |                            |

Analysis Date/Time:09/24/2022 1606 Analyst: KF

#### **TERPENOID PROFILE**

Method: GC/MS Instrument: Agilent 7890/5975

**Deviations from SOP:** None

| α-Bisabolol     629     0.0629       Camphene     245     0.0244       δ-3-Carene     -     -       β-Caryophyllene     2800     0.280     •       β-Caryophyllene     2800     0.280     •       caryophyllene     172     0.0172     •       p-Cymene     -     -     •       Eucalyptol     -     -     •       Geraniol     -     -     •       Guaiol     -     -     •       a-Humulene     862     0.0862     •       Isopulegol     -     -     •       d-Limonene     6050     0.605     •       Linalool     2410     0.241     •       β-Myrcene     1770     0.177     •       trans-Nerolidol     -     •     •       φ-Ocimene     -     •     •       φ-Ocimene     1590     0.157     •       φ-Pinene     1570     0.157     •       φ-Pinene <t< th=""><th><u>Terpene</u></th><th><u>Result</u><br/>(µg/g)</th><th><u>Result</u><br/>(%)</th></t<>   | <u>Terpene</u>         | <u>Result</u><br>(µg/g) | <u>Result</u><br>(%) |
|--|------------------------|-------------------------|----------------------|
| $δ$ -3-Carene   - $β$ -Caryophyllene   2800   0.280 $Caryophyllene$ 172   0.0172 $p$ -Cymene   -   -     Eucalyptol   -   -     Geraniol   -   -     Guaiol   -   -     Guaiol   -   - $\alpha$ -Humulene   862   0.0862   • $b$ -Dymene   -   -   - $c$ -Humulene   862   0.0862   • $b$ -Dymene   -   -   - $d$ -Limonene   6050   0.605   • $b$ -Myrcene   1770   0.177   • $c$ -Nerolidol   -   -   - $c$ -Sorimene   491   0.0491   • $β$ -Ocimene   -   -   - $α$ -Pinene   1570   0.157   • $β$ -Pinene   1570   0.157   • $α$ -Pinene   1570   0.157   • $α$ -Pinene   1570   0.157   • $α$ -Terpinene   -   -   | α-Bisabolol            |                         |                      |
| β-Caryophyllene   2800   0.280     Caryophyllene   172   0.0172     p-Cymene   -   -     Eucalyptol   -   -     Geraniol   -   -     Geraniol   -   -     Guaiol   -   -     α-Humulene   862   0.0862   -     bapulegol   -   -   -     d-Limonene   6050   0.605   -     bapulegol   -   -   -     f-Myrcene   1770   0.177   -     trans-Nerolidol   -   -   -     β-Ocimene   491   0.0491   -     β-Ocimene   -   -   -     α-Pinene   1570   0.157   -     β-Pinene   1570   0.157   -     α-Terpinene   -   -   -     γ-Terpinene   -   -   -     -   -   -   -   -     β-Dinene   1570   0.157   -     γ-Terpinene   -   -   | Camphene               | 245                     | 0.0244               |
| Caryophyllene<br>oxide     172     0.0172       p-Cymene     -     -       Eucalyptol     -     -       Geraniol     -     -       Guaiol     -     -       Guaiol     -     -       α-Humulene     862     0.0862     -       Isopulegol     -     -     -       d-Limonene     6050     0.605     -       Linalool     2410     0.241     -       β-Myrcene     1770     0.177     -       trans-Nerolidol     -     -     -       φ-Ocimene     491     0.0491     -       β-Ocimene     -     -     -       α-Pinene     1570     0.159     -       φ-Terpinene     -     -     -       γ-Terpinene     -     -     -       τ-repinene     -     -     -   | δ-3-Carene             | -                       | -                    |
| oxide     112     0.0172     1       p-Cymene     -     -     -       Eucalyptol     -     -     -       Geraniol     -     -     -       Guaiol     -     -     -       α-Humulene     862     0.0862     .     .       Isopulegol     -     -     .     .     .       d-Limonene     6050     0.605     .     .     .     .       Linalool     2410     0.241     .  | β-Caryophyllene        | 2800                    | 0.280                |
| Eucalyptol   -   -     Geraniol   -   -     Guaiol   -   -     Guaiol   -   -     α-Humulene   862   0.0862   Ab     Isopulegol   -   -   Sp     d-Limonene   6050   0.605   Th     Linalool   2410   0.241   saf     β-Myrcene   1770   0.177   Re     cis-Nerolidol   -   -   and     σ-Ocimene   491   0.0232   Th     φ-Ocimene   -   -   and     φ-Ocimene   -   -   me     φ-Ocimene   -   -   me     φ-Ocimene   -   -   me     φ-Ocimene   -   -   me     φ-Orimene   -   -   me     φ-Pinene   1570   0.157   me     φ-Terpinene   -   -   -     γ-Terpinene   -   -   -     Terpinolene   121   0.0121   ""  | Caryophyllene<br>oxide | 172                     | 0.0172               |
| Geraniol   -   -     Guaiol   -   -     Guaiol   -   -     α-Humulene   862   0.0862   Christian     Isopulegol   -   -   Spec     d-Limonene   6050   0.605   Thistian     Linalool   2410   0.241   Safe     β-Myrcene   1770   0.177   Ress     cis-Nerolidol   -   -   anal     trans-Nerolidol   232   0.0232   Thistian     β-Ocimene   -   -   med     φ-Ocimene   -   -   med     φ-Pinene   1570   0.157   med     φ-Terpinene   -   -   -     φ-Terpinene   -   -   -     φ-Terpinene   -   -   -     φ-Terpinene   -   -   - <td>p-Cymene</td> <td>-</td> <td>-</td>  | p-Cymene               | -                       | -                    |
| Guaiol   -   -   Abbrevent     α-Humulene   862   0.0862   Chrone     Isopulegol   -   -   Spece     d-Limonene   6050   0.605   This   and I     Linalool   2410   0.241   Safet   Safet     β-Myrcene   1770   0.177   Result   Safet     rians-Nerolidol   -   -   and J     σ-Ocimene   491   0.0232   This   Safet     β-Ocimene   491   0.0491   treat,   The samet     β-Pinene   1590   0.159   The samet   medit     φ-Pinene   1570   0.157   The samet   medit     φ-Pinene   1570   0.157   The samet   medit     φ-Pinene   1570   0.157   The samet   medit     φ-Terpinene   -   -   medit   medit     φ-Terpinene   -   -   medit   medit     φ-Terpinene   -   -   -   medit     φ-Terpinene   -   -   -   -<   | Eucalyptol             | -                       | -                    |
| α-Humulene   862   0.0862   Abbre Chrono Spect     Isopulegol   -   -   Spect     d-Limonene   6050   0.605   This is and m safety     Linalool   2410   0.241   safety     β-Myrcene   1770   0.177   Results and m safety     rans-Nerolidol   -   -   analy     rans-Nerolidol   232   0.0232   This is only a safety     φ-Ocimene   491   0.0491   treat,     β-Ocimene   -   -   media     α-Pinene   1590   0.159   The sanot be for san   | Geraniol               | -                       | -                    |
| α-Humulene   862   0.0862   Chrom     Isopulegol   -   -   Spectra     d-Limonene   6050   0.605   and m     Linalool   2410   0.241   safety     β-Myrcene   1770   0.177   Result     cis-Nerolidol   -   -   analys     trans-Nerolidol   232   0.0232   This ir     β-Ocimene   491   0.0491   treat, or     β-Ocimene   -   -   medic     α-Ocimene   1570   0.157   medic     φ-Pinene   1570   0.157   medic     γ-Terpinene   -   -   -     Trepinene   121   0.0121   "-" Net   | Guaiol                 | -                       | -                    |
| d-Limonene   6050   0.605   This ir and may safety     Linalool   2410   0.241   safety     β-Myrcene   1770   0.177   Result sample     cis-Nerolidol   -   -   analys     trans-Nerolidol   232   0.0232   This re only at sample     α-Ocimene   491   0.0491   treat, or only at tre | α-Humulene             | 862                     | 0.0862               |
| Linalool   2410   0.241   safety of     β-Myrcene   1770   0.177   Results     cis-Nerolidol   -   -   analysi     trans-Nerolidol   232   0.0232   This re     α-Ocimene   491   0.0491   treat, o     β-Ocimene   -   -   medical     α-Pinene   1590   0.159   The stanot bee     β-Pinene   1570   0.157   The stanot bee     γ-Terpinene   -   -   -     Terpinolene   -   -   -     121   0.0121   "-" No  | Isopulegol             | -                       | -                    |
| Linalool   2410   0.241   safety of     β-Myrcene   1770   0.177   Results     cis-Nerolidol   -   -   analysi     trans-Nerolidol   232   0.0232   This re     α-Ocimene   491   0.0491   treat, or     β-Ocimene   -   -   medica     α-Pinene   1590   0.159   The stanot bee     β-Pinene   1570   0.157   the FD     α-Terpinene   -   -   -     γ-Terpinene   121   0.0121   "-" Not   | d-Limonene             | 6050                    | 0.605                |
| p Hyrcene $1770$ $0.177$ samplecis-Nerolidolanalysitrans-Nerolidol232 $0.0232$ This re<br>only ar $\alpha$ -Ocimene491 $0.0491$ treat, or<br>medica $\beta$ -Ocimene $\alpha$ -Pinene1590 $0.159$ The stanot bee<br>not bee $\beta$ -Pinene1570 $0.157$ the FD $\alpha$ -Terpinene $\gamma$ -TerpineneTerpinolene121 $0.0121$ "-" Not  | Linalool               | 2410                    | 0.241                |
| cis-Nerolidolanalysistrans-Nerolidol232 $0.0232$ This report $\alpha$ -Ocimene491 $0.0491$ treat, or $\beta$ -Ocimenemedical $\alpha$ -Pinene1590 $0.159$ The state $\beta$ -Pinene1570 $0.157$ the FDA $\alpha$ -Terpinene $\gamma$ -TerpineneTerpinolene121 $0.0121$ "-" Not   | β-Myrcene              | 1770                    | 0.177                |
| α-Ocimene   491   0.0491   only and treat, or $\beta$ -Ocimene   -   -   medical- $\alpha$ -Pinene   1590   0.159   The stat not beer $\beta$ -Pinene   1570   0.157   The stat not beer $\alpha$ -Terpinene   -   -   - $\gamma$ -Terpinene   -   -   -     Terpinolene   121   0.0121   "-" Not  | cis-Nerolidol          | -                       | -                    |
| $\alpha$ -Ocimene   491   0.0491   treat, or $\beta$ -Ocimene   -   -   medical $\alpha$ -Pinene   1590   0.159   The stat $\beta$ -Pinene   1570   0.157   The stat $\alpha$ -Terpinene   -   - $\gamma$ -Terpinene   -   -     Terpinolene   121   0.0121   "-" Not  | trans-Nerolidol        | 232                     | 0.0232               |
| γ-Pinene   1590   0.159   The stat not beer not beer     β-Pinene   1570   0.157   The stat not beer the FDA     α-Terpinene   -   -     γ-Terpinene   -   -     Terpinolene   121   0.0121   "-" Not  | α-Ocimene              | 491                     | 0.0491               |
| α-Prinene 1590 0.159 not beer   β-Pinene 1570 0.157 the FDA   α-Terpinene - -   γ-Terpinene - -   Terpinolene 121 0.0121 "-" Not   | β-Ocimene              | -                       | -                    |
| β-Pinene     1570     0.157     the FDA       α-Terpinene     -     <  | α-Pinene               | 1590                    | 0.159                |
| γ-Terpinene<br>Terpinolene 121 0.0121 "-" Not  | β-Pinene               | 1570                    | 0.157                |
| Terpinolene     121     0.0121     "-" Not   | α-Terpinene            | -                       | -                    |
| - 100  | γ-Terpinene            | -                       | -                    |
|  | Terpinolene            | 121                     | 0.0121               |
|  | TOTAL                  | 18900                   | 1.89                 |













**Deviations from SOP:** 

None

## **CERTIFICATE OF ANALYSIS (SAMPLE ID: SA32487)**

| Testing Location:             | Customer ID: 2161                      | Order ID: OR10043  | Sample Type: Primary       |
|-------------------------------|--|--------------------|----------------------------|
| Arkansas                      | <b>River Valley Relief Cultivation</b> | Lot Number:        | Matrix: Flower             |
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| Cultivar (Strain) or Sample 1 | Date Completed: 09/25/2022             |                    |                            |

## Analysis Date/Time: 09/23/2022 2224 Analyst: KF

## **PESTICIDES PROFILE (SOP: SOP-PEST-001)**

#### Method: LC/MS/MS Instrument: Shimadzu LC-8050

| <u>Pesticide</u>                   | <u>Result</u><br>(µg/g) | <u>LOD</u><br>(µg/g) | <u>LOQ</u><br>(µg/g) | <u>Action</u><br>Level<br>(µg/g) | <u>Pesticide</u>                                 | <u>Result</u><br>(µg/g) | <u>LOD</u><br>(µg/g) | <u>LOQ</u><br>(µg/g) | <u>Action</u><br><u>Level</u><br>(µg/g) | 100 Mars  |
|------------------------------------|-------------------------|----------------------|----------------------|----------------------------------|--|-------------------------|----------------------|----------------------|---|---|
| Abamectin (71751-41-2)             | -                       | 0.0193               | 0.154                | 0.5                              | Kresoxim-methyl                                  | _                       | 0.0193               | 0.154                | 0.4                                     | and the second second   |
| Acephate (30560-19-1)              | -                       | 0.0193               | 0.154                | 0.4                              | (143390-89-0)                                    |                         |                      |                      |   | A A A   |
| Acequinocyl (57960-19-7)           | -                       | 0.0193               | 0.154                | 2                                | Malathion (121-75-5)                             | -                       | 0.0193               | 0.154                | 0.2                                     |   |
| Acetamiprid<br>(135410-20-7)       | -                       | 0.0193               | 0.154                | 0.2                              | Metalaxyl (57837-19-1)<br>Methiocarb (2032-65-7) | -                       | 0.0193<br>0.0193     | 0.154<br>0.154       | 0.2<br>0.2                              | <u>Color Key</u>  |
| Aldicarb (116-06-3)                | -                       | 0.0193               | 0.154                | 0.4                              | Methomyl (16752-77-5)                            | -                       | 0.0193               | 0.154                | 0.4                                     | <b>RESULT &lt; AL</b>   |
| Azoxystrobin<br>(131860-33-8)      | -                       | 0.0193               | 0.154                | 0.2                              | Methyl parathion<br>(298-0-0)                    | -                       | 0.0193               | 0.154                | 0.2                                     | RESULT > AL   |
| Bifenazate (149877-41-8)           | -                       | 0.0193               | 0.154                | 0.2                              | MGK 264 (113-48-4)                               | -                       | 0.0193               | 0.154                | 0.2                                     | "DET" detected less than LOQ  |
| Bifenthrin (82657-04-3)            | -                       | 0.0193               | 0.154                | 0.2                              | Myclobutanil                                     |                         | 0.0193               | 0.154                | 0.2                                     | "-" not detected above  |
| Boscalid (188425-85-6)             | -                       | 0.0193               | 0.154                | 0.4                              | (88671-89-0)                                     |                         |                      |                      |   | LOD   |
| Carbaryl (63-25-2)                 | -                       | 0.0193               | 0.154                | 0.2                              | Naled (300-76-5)                                 | -                       | 0.0193               | 0.154                | 0.5                                     |   |
| Carbofuran (1563-66-2)             | -                       | 0.0193               | 0.154                | 0.2                              | Oxamyl (23135-22-0)                              | -                       | 0.0193               | 0.154                | 1                                       | Permethrins measured as the<br>cumulative residue of the <i>cis</i> - and |
| Chlorantraniliprole (800008-45-7)  | -                       | 0.0193               | 0.154                | 0.2                              | Paclobutrazol<br>(76738-62-0)                    | -                       | 0.0193               | 0.154                | 0.4                                     | trans- permethrin isomers.  |
| Chlorfenapyr                       |                         | 0.0193               | 0.154                | 1                                | Permethrins (52645-53-1)                         | -                       | 0.0193               | 0.154                | 0.2                                     | Pyrethrins measured as the<br>cumulative residue of the                   |
| (122453-73-0)                      | -                       | 0.0193               | 0.154                | 1                                | Phosmet (732-11-6)                               | -                       | 0.0193               | 0.154                | 0.2                                     | pyrethrin I, cinerin I, and jasmolin                                      |
| Chlorpyrifos (2921-88-2)           | -                       | 0.0193               | 0.154                | 0.2                              | Piperonyl butoxide                               | DET                     | 0.0193               | 0.154                | 2                                       | I isomers.  |
| Clofentezine (74115-24-5)          | -                       | 0.0193               | 0.154                | 0.2                              | (51-03-6)  |                         | 0.0100               | 0.15.4               | 0.2                                     | Action levels are referenced from   |
| Cyfluthrin (68359-37-5)            | -                       | 0.0193               | 0.154                | 1                                | Prallethrins (2331-36-9)                         | -                       | 0.0193               | 0.154                | 0.2                                     | the   |
| Cypermethrin<br>(52315-07-8)       | -                       | 0.0193               | 0.154                | 1                                | Propiconazole<br>(60207-90-1))                   | -                       | 0.0193               | 0.154                | 0.4                                     | State of Arkansas MMJ testing guidelines.                                 |
| Daminozide (1596-84-5)             | -                       | 0.0193               | 0.154                | 1                                | Propoxur (114-26-1)                              | -                       | 0.0193               | 0.154                | 0.2                                     | A value of "-" for the action level                                       |
| DDVP (62-73-7)                     | -                       | 0.0193               | 0.154                | 0.1                              | Pyrethrins (8003-34-7)                           | -                       | 0.0193               | 0.154                | 1                                       | means that analyte is not   |
| Diazinon (333-41-5)                | -                       | 0.0193               | 0.154                | 0.2                              | Pyridaben (96489-71-3)                           | -                       | 0.0193               | 0.154                | 0.2                                     | currently regulated by the<br>regulations referenced above.               |
| Dimethoate (60-51-5)               | -                       | 0.0193               | 0.154                | 0.2                              | Spinosad (168316-95-8)                           | -                       | 0.0193               | 0.154                | 0.2                                     | regulations referenced above.   |
| Ethoprophos (13194-48-4)           | -                       | 0.0193               | 0.154                | 0.2                              | Spiromesifen<br>(283594-90-1)                    | -                       | 0.0193               | 0.154                | 0.2                                     | Disclaimer: This information is   |
| Etofenprox (80844-07-1)            | -                       | 0.0193               | 0.154                | 0.4                              | Spirotetramat                                    |                         |                      |                      |   | provided as a service and makes<br>no claims of efficacy and/or safety    |
| Etoxazole (153233-91-1)            | -                       | 0.0193               | 0.154                | 0.2                              | (203313-25-1)                                    | -                       | 0.0193               | 0.154                | 0.2                                     | of this product. Results are  |
| Fenoxycarb (72490-01-8)            | -                       | 0.0193               | 0.154                | 0.2                              | Spiroxamine                                      |                         | 0.0193               | 0.154                | 0.4                                     | applicable only for the sample(s)<br>analyzed and for the specific        |
| (E)-Fenpyroximate<br>(134098-61-6) | -                       | 0.0193               | 0.154                | 0.4                              | (118134-30-8)<br>Tebuconazole                    | -                       | 0.0193               | 0.154                | 0.4                                     | analysis conducted. This report is<br>for informational purposes only     |
| Fipronil (120068-37-3)             | -                       | 0.0193               | 0.154                | 0.4                              | (80443-41-0)                                     | -                       | 0.0195               | 0.154                | 0.4                                     | and should not be used to   |
| Flonicamid (158062-67-0)           | -                       | 0.0193               | 0.154                | 1                                | Thiacloprid                                      | _                       | 0.0193               | 0.154                | 0.2                                     | diagnose, treat, or prevent any<br>medical-related symptoms. The          |
| Fludioxinil (131341-86-1)          | -                       | 0.0193               | 0.154                | 0.4                              | (111988-49-9)                                    |                         |                      |                      |   | statements and results herein have  |
| Hexythiazox (78587-05-0)           | -                       | 0.0193               | 0.154                | 1                                | Thiamethoxam<br>(153719-23-4)                    | -                       | 0.0193               | 0.154                | 0.2                                     | not been approved and/or  |
| Imazalil (35554-44-0)              | -                       | 0.0193               | 0.154                | 0.2                              | Trifloxystrobin                                  |                         | 0.0100               | 0.4-                 | 0.5                                     | endorsed by the FDA.  |
| Imidacloprid<br>(138261-41-3)      | -                       | 0.0193               | 0.154                | 0.4                              | (141517-21-7)                                    | -                       | 0.0193               | 0.154                | 0.2                                     |   |

Abbreviations: LC - Liquid Chromatography, MS - Mass Spectrometry, RL - Reporting Limit, AL - Action Level, CAS - Chemical Abstract Services, LOD - Limit of Detection, LOQ - Limit of Quantification

**Pesticide Pesticide Pesticide** Synonym(s) Synonym(s) Synonym(s) Cyfluthrin Tilt Baythroid Myclobutanil Systhane Propiconazole DDVP Dichlorvos Naled Dibrom Propoxur Baygon Ethoprophos Prophos Phosmet Imidan



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# **CERTIFICATE OF ANALYSIS (SAMPLE ID: SA32487)**

| Testing Location:             | Customer ID: 2161               | <b>Order ID:</b> OR10043 | Sample Type: Primary       |
|-------------------------------|---------------------------------|--------------------------|----------------------------|
| Arkansas                      | River Valley Relief Cultivation | Lot Number:              | Matrix: Flower             |
| 232 S. Broadview St.          | 5601 Old Greenwood Rd Suite C   | M00065C13135939152       | <b>Mass:</b> 23.00g        |
| Greenbrier, AR 72058          | Fort Smith, AR 72903            | Production Run:          | Date Collected: 09/21/2022 |
| License: ADH 113              | License: 00065C                 | 1008H20220812LCB2        | Date Received: 09/22/2022  |
| Cultivar (Strain) or Sample D | Date Completed: 09/25/2022      |                          |                            |

#### HEAVY METAL PROFILE (SOP: SOP-ICP-200.7)

| Analysis Date/T<br>Analysis Date/T<br>Analyst: KF | ime: 09/23/2022 0<br>ime: - (DMA) | 757 (ICP/OES)         |                       | hod: ICP/OES<br>rument: Agilent 720-ES | <b>Deviations from SOP:</b><br>None |
|---|-----------------------------------|-----------------------|-----------------------|--|-------------------------------------|
| <u>Heavy Metal</u>                                | <u>Result</u><br>(µg/kg)          | <u>LOD</u><br>(µg/kg) | <u>LOQ</u><br>(µg/kg) | <u>Action Level</u><br>(µg/kg)         |                                     |
| Arsenic (As)                                      | -                                 | 58.6                  | 92.8                  | 200                                    |                                     |
| Cadmium (Cd)                                      | -                                 | 58.6                  | 92.8                  | 200                                    | ALL WANT REELEMAN                   |
| Lead (Pb)   | -                                 | 58.6                  | 92.8                  | 500                                    |                                     |
| Mercury (Hg)                                      | -                                 | 58.6                  | 92.8                  | 100                                    |                                     |

*Abbreviations:* ICP - Inductively-Coupled Plasma, OES - Optical Emission Spectroscopy, DMA - Direct Mercury Analyzer, RL - Reporting Limit, AL - Action Level, LOD - Limit of Detection, LOQ - Limit of Quantitation

<u>Color Key</u>



"DET" detected less than LOQ

"-" not detected above LOD

Action levels for heavy metals are referenced from the State of Arkansas MMJ testing guidelines.

*Disclaimer:* This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.













# **CERTIFICATE OF ANALYSIS (SAMPLE ID: SA32487)**

| Testing Location:             | Customer ID: 2161               | Sample ID: SA32487 | Sample Type: Primary       |
|-------------------------------|---------------------------------|--------------------|----------------------------|
| Arkansas                      | River Valley Relief Cultivation | Lot Number:        | Matrix: Flower             |
| 232 S. Broadview St.          | 5601 Old Greenwood Rd Suite C   | M00065C13135939152 | <b>Mass:</b> 23.00g        |
| Greenbrier, AR 72058          | Fort Smith, AR 72903            | Production Run:    | Date Collected: 09/21/2022 |
| License: ADA 05_H273          | License: 00065C                 | 1008H20220812LCB2  | Date Received: 09/22/2022  |
| Cultivar (Strain) or Sample D | Date Completed: 09/25/2022      |                    |                            |

#### MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

| Analysis Date/Time: 20220923<br>Analyst: PW |                          | ardy Diagnostics CompactDry<br>t: Thermo Incubator | <b>Deviations from SOP:</b><br>None  |
|---|--------------------------|--|--|
| <u>Bacteria/Microbe</u>                     | <u>Result</u><br>(CFU/g) | <u>Action Level</u><br>(CFU/g)                     |  |
| Aerobic Plate Count                         | NT                       | -  |  |
| Coliforms, Total                            | Absent                   | 1  | A CONTRACT OF A CONTRACT   |
| Escherichia Coli (E. Coli)                  | Absent                   | 100  | LANCART KI   |
| Mold/Yeast                                  | NT                       | -  | A State of the second s |
| Pseudomonas aeruginosa                      | NT                       | 1  |  |
| Salmonella spp.                             | NT                       | -  |  |
| Staphylococcus aureus                       | NT                       | -  |  |

*Abbreviations:* EC - Escherichia Coli, CFU - Colony-Forming Unit, RL - Reporting Limit, AL - Action Level, TNTC - Too Numerous To Count, NT - Not Tested Absent - Not Detected Above RL, Present - Detected Above RL





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Action levels for microbiology are referenced from the State of Arkansas MMJ testing guidelines. A value of "-" for the action level means that analyte is not currently regulated by the regulations referenced above.

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