

## Certificate of Analysis

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## Appalachian Natural

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## Sample: 07-13-2023-35731

Sample Received:07/13/2023; Report Created: 07/14/2023; Expires: 07/13/2024

| Twisted Berry<br>Plant , Flower - Uncured  |                                       |                  |  |                              |                              |  |
|--|---------------------------------------|------------------|--|------------------------------|------------------------------|--|
| Activity of the second se | <b>16.833 %</b><br>Total THC          |                  |  |                              | < <b>LOQ %</b><br>Δ-9 THC    |  |
|  | <b>19.628 %</b><br>Total Cannabinoids |                  |  |                              | <loq %<br="">Total CBD</loq> |  |
| Cannabinoids<br>(Testing Method: HPLC, CON-P-3000)<br>Date Tested: 07/13/2023  |                                       |                  |  |                              | Complete                     |  |
| Analyte  | LOD                                   | LOQ              | Mass   | Mass                         |                              |  |
|  | %                                     | %                | %  | mg/g                         |                              |  |
|  |                                       |                  |  |                              |                              |  |
| $\Delta$ -8-Tetrahydrocannabinol ( $\Delta$ -8 THC)  | 0.0493                                | 0.0739           | ND   | ND                           |                              |  |
| $\Delta$ -9-Tetrahydrocannabinol ( $\Delta$ -9 THC)  | 0.0276                                | 0.0739           | <loq< td=""><td><loq< td=""><td></td></loq<></td></loq<> | <loq< td=""><td></td></loq<> |                              |  |
| $\Delta$ -9-Tetrahydrocannabinolic Acid (THCA-A)   | 0.0493                                | 0.0739           | 19.194   | 191.941                      |                              |  |
| $\Delta$ -9-Tetrahydrocannabiphorol ( $\Delta$ -9-THCP)  | 0.0493                                | 0.0739           | ND   | ND                           |                              |  |
| $\Delta$ -9-Tetrahydrocannabivarin ( $\Delta$ -9-THCV)   | 0.0493                                | 0.0739           | ND   | ND                           |                              |  |
| Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)  | 0.0493                                | 0.0739           | <loq< td=""><td><loq< td=""><td></td></loq<></td></loq<> | <loq< td=""><td></td></loq<> |                              |  |
| R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC)   | 0.0493                                | 0.0739           | ND   | ND                           |                              |  |
| S- $\Delta$ -10-Tetrahydrocannabinol (S- $\Delta$ -10-THC)   | 0.0493<br>0.0493                      | 0.0739           | ND   | ND<br>ND                     |                              |  |
| 9R-Hexahydrocannabinol (9R-HHC)<br>9S-Hexahydrocannabinol (9S-HHC)   | 0.0493                                | 0.0739<br>0.0739 | ND<br>ND   | ND                           |                              |  |
| Tetrahydrocannabinol Acetate (THCO)  | 0.0493                                | 0.0739           | ND   | ND                           |                              |  |
| Cannabidivarin (CBDV)  | 0.0493                                | 0.0739           | ND   | ND                           |                              |  |
| Cannabidivarinic Acid (CBDVA)  | 0.0493                                | 0.0739           | ND   | ND                           |                              |  |
| Cannabidival mile Acid (CBD 774)   | 0.0493                                | 0.0739           | ND   | ND                           |                              |  |
| Cannabidiolic Acid (CBDA)  | 0.0276                                | 0.0739           | <loq< td=""><td><loq< td=""><td></td></loq<></td></loq<> | <loq< td=""><td></td></loq<> |                              |  |
| Cannabigerol (CBG)   | 0.0276                                | 0.0739           | <loq< td=""><td><loq< td=""><td></td></loq<></td></loq<> | <loq< td=""><td></td></loq<> |                              |  |
| Cannabigerolic Acid (CBGA)   | 0.0493                                | 0.0739           | 0.305  | 3.054                        |                              |  |
| Cannabinol (CBN)   | 0.0493                                | 0.0739           | ND   | ND                           |                              |  |
|  |                                       | 0.0739           | ND   | ND                           |                              |  |
| Cannabinolic Acid (CBNA)   | 0.0493                                |                  |  |                              |                              |  |
| Cannabinolic Acid (CBNA)<br>Cannabichromene (CBC)  | 0.0493<br>0.0493                      | 0.0739           | ND   | ND                           |                              |  |
|  |                                       |                  | ND<br><b>0.128</b>                                       | ND<br><b>1.281</b>           |                              |  |

Total THC = THCa \* 0.877 + Δ9-THC;Total CBD = CBDa \* 0.877 + CBD; LOQ = Limit of Quantitation; ND = Not Detected.

Total THC Measurement of Uncertainty:  $\pm 0.050\%$ Total CBD Measurement of Uncertainty:  $\pm 2000\%$ THCO potency analysis does not designate quantitative specificity of  $\Delta$ -8-THCO and  $\Delta$ -9-THCO isomers



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Laboratory Director

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