

**SUMMARY OF ANALYSIS (SAMPLE ID: SA40776)**

|  |                                 |                          |                                   |
|--|---------------------------------|--------------------------|-----------------------------------|
| <b>Testing Location:</b>                                       | <b>Customer ID:</b> 2161        | <b>Order ID:</b> OR11544 | <b>Sample Type:</b> Primary       |
| Arkansas   | River Valley Relief Cultivation | <b>Lot Number:</b>       | <b>Matrix:</b> Flower             |
| 232 S. Broadview St.   | 5601 Old Greenwood Rd Suite C   | M00065C13134733219       | <b>Mass:</b> 23g                  |
| Greenbrier, AR 72058   | Fort Smith, AR 72903            | <b>Production Run:</b>   | <b>Date Collected:</b> 04/10/2025 |
| License: ADH 113   | License: 00065C                 | 7091H20250218PFU-2       | <b>Date Received:</b> 04/10/2025  |
| <b>Cultivar (Strain) or Sample Description:</b> Pineapple Fruz |                                 |                          | <b>Date Completed:</b> 04/14/2025 |

\*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.

\*Where provided, statements of conformity (e.g. Pass/Fail) are made in accordance with ILAC G8, Binary Statement for Simple Acceptance Rule (w=0, AL=TL).  
PASS: when the result is within the acceptance interval. FAIL: when the result is outside the acceptance interval

**Moisture Content (%)**

10.5

**Water Activity (aw)**

0.401 @ 24.5°C

**PASS/FAIL**

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.

| <b>Cannabinoids (Top 3)</b> | <b>(%)</b> | <b>mg/g</b> |
|-----------------------------|------------|-------------|
| THCA                        | 25.3       | 253         |
| Δ9-THC                      | 0.977      | 9.77        |
| CBGA                        | 0.428      | 4.28        |
| TOTAL CBD                   | 0.000      | 0.000       |
| TOTAL THC                   | 23.1       | 231         |
| TOTAL CANNABINOIDS          | 26.8       | 268         |

  

| <b>Terpenes (Top 5)</b> | <b>(%)</b> | <b>ppm</b> |
|-------------------------|------------|------------|
| β-Caryophyllene         | 0.526      | 5260       |
| d-Limonene              | 0.506      | 5060       |
| Linalool                | 0.400      | 4000       |
| α-Humulene              | 0.181      | 1810       |
| β-Myrcene               | 0.146      | 1460       |
| TOTAL TERPENES          | 2.18       | 21800      |

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

**Sample Picture Upon Receipt**



Scan the QR code to verify results.

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[www.FASTLaboratories.com](http://www.FASTLaboratories.com)

F.A.S.T. Personnel perform sampling following the Sampling SOP (SOP-02).

*Kyle W. Felling*  
Kyle W. Felling, Ph.D.  
Laboratory Director



## CERTIFICATE OF ANALYSIS (SAMPLE ID: SA40776)

|  |                                 |                          |                                   |
|--|---------------------------------|--------------------------|-----------------------------------|
| <b>Testing Location:</b>                                       | <b>Customer ID:</b> 2161        | <b>Order ID:</b> OR11544 | <b>Sample Type:</b> Primary       |
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### CANNABINOID (POTENCY) PROFILE (SOP: SOP-CANN-001)

**Analysis Date/Time:** 04/11/2025 1544  
**Analyst:** PW  
**Method:** HPLC/DAD  
**Instrument:** Agilent 1100  
**Moisture Content (%):** 10.5  
**Water Activity (aw):** 0.401 @ 24.5°C

| Cannabinoid       | Result (%)   | Result (mg/g) | LOD (mg/g) | LOQ (mg/g) | Result (mg/mL) | Per Serving (mg) | Per Unit (mg) |
|-------------------|--------------|---------------|------------|------------|----------------|------------------|---------------|
| CBC               | ND           | ND            | 0.0434     | 0.101      | -              | 0.000            | 0.000         |
| CBCA              | ND           | ND            | 0.135      | 0.314      | -              | 0.000            | 0.000         |
| CBD               | ND           | ND            | 0.306      | 0.714      | -              | 0.000            | 0.000         |
| CBDV              | ND           | ND            | 0.113      | 0.263      | -              | 0.000            | 0.000         |
| CBDVA             | ND           | ND            | 0.0491     | 0.115      | -              | 0.000            | 0.000         |
| CBDVA             | ND           | ND            | 0.131      | 0.306      | -              | 0.000            | 0.000         |
| CBG               | DET          | DET           | 0.199      | 0.464      | -              | 0.000            | 0.000         |
| CBGA              | 0.428        | 4.28          | 0.282      | 0.332      | -              | 3.83             | 3.83          |
| CBL               | ND           | ND            | 0.229      | 0.536      | -              | 0.000            | 0.000         |
| CBN               | ND           | ND            | 0.105      | 0.246      | -              | 0.000            | 0.000         |
| CBNA              | ND           | ND            | 0.114      | 0.265      | -              | 0.000            | 0.000         |
| Δ9-THC            | 0.977        | 9.77          | 0.126      | 0.295      | -              | 8.74             | 8.74          |
| Δ8-THC            | ND           | ND            | 0.197      | 0.460      | -              | 0.000            | 0.000         |
| THCA              | 25.3         | 253           | 0.0685     | 0.160      | -              | 226              | 226           |
| THCV              | ND           | ND            | 0.164      | 0.383      | -              | 0.000            | 0.000         |
| THCVA             | 0.123        | 1.23          | 0.0525     | 0.122      | -              | 1.10             | 1.10          |
| <b>TOTAL</b>      | <b>26.8</b>  | <b>268</b>    |            |            | -              | <b>240</b>       | <b>240</b>    |
| <b>TOTAL CBC</b>  | <b>0.000</b> | <b>0.000</b>  |            |            | -              | <b>0.000</b>     | <b>0.000</b>  |
| <b>TOTAL CBD</b>  | <b>0.000</b> | <b>0.000</b>  |            |            | -              | <b>0.000</b>     | <b>0.000</b>  |
| <b>TOTAL CBDV</b> | <b>0.000</b> | <b>0.000</b>  |            |            | -              | <b>0.000</b>     | <b>0.000</b>  |
| <b>TOTAL CBG</b>  | <b>0.375</b> | <b>3.75</b>   |            |            | -              | <b>3.36</b>      | <b>3.36</b>   |
| <b>TOTAL CBN</b>  | <b>0.000</b> | <b>0.000</b>  |            |            | -              | <b>0.000</b>     | <b>0.000</b>  |
| <b>TOTAL THC</b>  | <b>23.1</b>  | <b>231</b>    |            |            | -              | <b>207</b>       | <b>207</b>    |
| <b>TOTAL THCV</b> | <b>0.107</b> | <b>1.07</b>   |            |            | -              | <b>0.954</b>     | <b>0.954</b>  |



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

"-" Not reported for this sample.

*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.  
Dry percent = Wet percent / (1-(Moisture Content/100))

Total CBC = (CBCA x 0.877) + CBC  
Total CBD = (CBDV 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) + Δ9-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.

*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, ND - Not Detected (less than LOD)

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F.A.S.T. Personnel perform sampling following the Sampling SOP (SOP-02).

Kyle W. Felling, Ph.D.  
Laboratory Director



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### TERPENOID PROFILE

**Analysis Date/Time:** 04/11/2025 1711

**Method:** GC/MS

**Deviations from SOP:**

**Analyst:** KF

**Instrument:** Agilent 7890/5975

None

| <u>Terpene</u>      | <u>Result (ppm)</u> | <u>Result (%)</u> |   |
|---------------------|---------------------|-------------------|---|
| α-Bisabolol         | 58.6                | 0.00586           |   |
| Camphene            | 191                 | 0.0191            |   |
| δ-3-Carene          | ND                  | -                 |   |
| β-Caryophyllene     | 5260                | 0.526             | ■ |
| Caryophyllene oxide | 48.2                | 0.00482           |   |
| p-Cymene            | <LOQ                | -                 |   |
| Eucalyptol          | <LOQ                | -                 |   |
| Geraniol            | 70.7                | 0.00707           |   |
| Guaiol              | ND                  | -                 |   |
| α-Humulene          | 1810                | 0.181             | ■ |
| Isopulegol          | 75.3                | 0.00753           |   |
| d-Limonene          | 5060                | 0.506             | ■ |
| Linalool            | 4000                | 0.400             | ■ |
| β-Myrcene           | 1460                | 0.146             | ■ |
| cis-Nerolidol       | ND                  | -                 |   |
| trans-Nerolidol     | 1280                | 0.128             | ■ |
| α-Ocimene           | 60.8                | 0.00608           |   |
| β-Ocimene           | 365                 | 0.0365            |   |
| α-Pinene            | 820                 | 0.0820            | ■ |
| β-Pinene            | 1190                | 0.119             | ■ |
| α-Terpinene         | ND                  | -                 |   |
| γ-Terpinene         | ND                  | -                 |   |
| Terpinolene         | 62.7                | 0.00627           |   |
| <b>TOTAL</b>        | <b>21800</b>        | <b>2.18</b>       |   |



**Abbreviations:** GC - Gas Chromatography, MS - Mass Spectrometry, RL - Reporting Limit

**Abbreviations:** ND - Not Detected, LOD - Limit of Detection, LOQ - Limit of Quantitation

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**Reporting Limit (ppm):** 47.6

"-" Not detected above LOD.

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

**Analysis Date/Time:** 04/11/2025 1604

**Analyst:** KF

**Method:** LC/MS/MS

**Instrument:** Shimadzu LC-8050

**Deviations from SOP:**

None

| Pesticide                         | Result (ppm) | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Pesticide                     | Result (ppm) | LOD (ppm) | LOQ (ppm) | Action Level (ppm) |
|-----------------------------------|--------------|-----------|-----------|--------------------|-------------------------------|--------------|-----------|-----------|--------------------|
| Abamectin (71751-41-2)            | -            | 0.0473    | 0.378     | 0.5                | Kresoxim-methyl (143390-89-0) | -            | 0.0473    | 0.378     | 0.4                |
| Acephate (30560-19-1)             | -            | 0.0473    | 0.378     | 0.4                | Malathion (121-75-5)          | -            | 0.0473    | 0.378     | 0.2                |
| Acetaminophen (57960-19-7)        | -            | 0.0473    | 0.378     | 2                  | Metalaxyl (57837-19-1)        | -            | 0.0473    | 0.378     | 0.2                |
| Acetamiprid (135410-20-7)         | -            | 0.0473    | 0.378     | 0.2                | Methiocarb (2032-65-7)        | -            | 0.0473    | 0.378     | 0.2                |
| Aldicarb (116-06-3)               | -            | 0.0473    | 0.378     | 0.4                | Methomyl (16752-77-5)         | -            | 0.0473    | 0.378     | 0.4                |
| Azoxystrobin (131860-33-8)        | -            | 0.0473    | 0.378     | 0.2                | Methyl parathion (298-0-0)    | -            | 0.0473    | 0.378     | 0.2                |
| Bifenazate (149877-41-8)          | -            | 0.0473    | 0.378     | 0.2                | MGK 264 (113-48-4)            | -            | 0.0473    | 0.378     | 0.2                |
| Bifenthrin (82657-04-3)           | -            | 0.0473    | 0.378     | 0.2                | Myclobutanil (88671-89-0)     | -            | 0.0473    | 0.378     | 0.2                |
| Boscalid (188425-85-6)            | -            | 0.0473    | 0.378     | 0.4                | Naled (300-76-5)              | -            | 0.0473    | 0.378     | 0.5                |
| Carbaryl (63-25-2)                | -            | 0.0473    | 0.378     | 0.2                | Oxamyl (23135-22-0)           | -            | 0.0473    | 0.378     | 1                  |
| Carbofuran (1563-66-2)            | -            | 0.0473    | 0.378     | 0.2                | Paclobutrazol (76738-62-0)    | -            | 0.0473    | 0.378     | 0.4                |
| Chlorantraniliprole (800008-45-7) | -            | 0.0473    | 0.378     | 0.2                | Permethrins (52645-53-1)      | -            | 0.0473    | 0.378     | 0.2                |
| Chlorfenapyr (122453-73-0)        | -            | 0.0473    | 0.378     | 1                  | Phosmet (732-11-6)            | -            | 0.0473    | 0.378     | 0.2                |
| Chlorpyrifos (2921-88-2)          | -            | 0.0473    | 0.378     | 0.2                | Piperonyl butoxide (51-03-6)  | -            | 0.0473    | 0.378     | 2                  |
| Clofentezine (74115-24-5)         | -            | 0.0473    | 0.378     | 0.2                | Prallethrin (2331-36-9)       | -            | 0.0473    | 0.378     | 0.2                |
| Cyfluthrin (68359-37-5)           | -            | 0.0473    | 0.378     | 1                  | Propiconazole (60207-90-1)    | -            | 0.0473    | 0.378     | 0.4                |
| Cypermethrin (52315-07-8)         | -            | 0.0473    | 0.378     | 1                  | Propoxur (114-26-1)           | -            | 0.0473    | 0.378     | 0.2                |
| Daminozide (1596-84-5)            | -            | 0.0473    | 0.378     | 1                  | Pyrethrins (8003-34-7)        | -            | 0.0473    | 0.378     | 1                  |
| DDVP (62-73-7)                    | -            | 0.0473    | 0.378     | 0.1                | Pyridaben (96489-71-3)        | -            | 0.0473    | 0.378     | 0.2                |
| Diazinon (333-41-5)               | -            | 0.0473    | 0.378     | 0.2                | Spinosad (168316-95-8)        | -            | 0.0473    | 0.378     | 0.2                |
| Dimethoate (60-51-5)              | -            | 0.0473    | 0.378     | 0.2                | Spiromesifen (283594-90-1)    | -            | 0.0473    | 0.378     | 0.2                |
| Ethoprophos (13194-48-4)          | -            | 0.0473    | 0.378     | 0.2                | Spirotetramat (203313-25-1)   | -            | 0.0473    | 0.378     | 0.2                |
| Etofenprox (80844-07-1)           | -            | 0.0473    | 0.378     | 0.4                | Spiroxamine (118134-30-8)     | -            | 0.0473    | 0.378     | 0.4                |
| Etazoxazole (153233-91-1)         | -            | 0.0473    | 0.378     | 0.2                | Tebuconazole (80443-41-0)     | -            | 0.0473    | 0.378     | 0.4                |
| Fenoxycarb (72490-01-8)           | -            | 0.0473    | 0.378     | 0.2                | Thiacloprid (111988-49-9)     | -            | 0.0473    | 0.378     | 0.2                |
| (E)-Fenpyroximate (134098-61-6)   | -            | 0.0473    | 0.378     | 0.4                | Thiamethoxam (153719-23-4)    | -            | 0.0473    | 0.378     | 0.2                |
| Fipronil (120068-37-3)            | -            | 0.0473    | 0.378     | 0.4                | Trifloxystrobin (141517-21-7) | -            | 0.0473    | 0.378     | 0.2                |
| Flonicamid (158062-67-0)          | -            | 0.0473    | 0.378     | 1                  |                               |              |           |           |                    |
| Fludioxinil (131341-86-1)         | -            | 0.0473    | 0.378     | 0.4                |                               |              |           |           |                    |
| Hexythiazox (78587-05-0)          | -            | 0.0473    | 0.378     | 1                  |                               |              |           |           |                    |
| Imazalil (35554-44-0)             | -            | 0.0473    | 0.378     | 0.2                |                               |              |           |           |                    |
| Imidacloprid (138261-41-3)        | -            | 0.0473    | 0.378     | 0.4                |                               |              |           |           |                    |



#### Color Key

RESULT < AL

RESULT > AL

"DET" detected less than LOQ

"-" not detected above LOD

Permethrins measured as the cumulative residue of the *cis*- and *trans*- permethrin isomers.

Pyrethrins measured as the cumulative residue of the pyrethrin I, cinerin I, and jasmolin I isomers.

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

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**HEAVY METAL PROFILE (SOP: SOP-ICP-200.6)**

**Analysis Date/Time:** 04/11/2025 1638

**Method:** ICP/MS

**Deviations from SOP:**

**Instrument:** Agilent 7700x

None

**Analyst:** KF

| <b>Heavy Metal</b> | <b>Result (ppb)</b> | <b>LOD (ppb)</b> | <b>LOQ (ppb)</b> | <b>Action Level (ppb)</b> |
|--------------------|---------------------|------------------|------------------|---------------------------|
| Arsenic (As)       | ND                  | 58.9             | 93.2             | 200                       |
| Cadmium (Cd)       | ND                  | 58.9             | 93.2             | 200                       |
| Lead (Pb)          | DET                 | 58.9             | 93.2             | 500                       |
| Mercury (Hg)       | ND                  | 58.9             | 93.2             | 100                       |



**Abbreviations:** ICP - Inductively-Coupled Plasma, MS - Mass Spectrometry,  
RL - Reporting Limit, AL - Action Level, LOD - Limit of Detection, LOQ - Limit of Quantitation

**Color Key**

**RESULT < AL**

**RESULT > AL**

"DET" detected less than LOQ

"ND" not detected above LOD

Reporting limit is 1/2 the action level of each analyte.

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.

**REPORT OF LABORATORY ANALYSIS**

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F.A.S.T. Personnel perform sampling following the Sampling SOP (SOP-02).

*Kyle W. Felling*  
Kyle W. Felling, Ph.D.  
Laboratory Director



**CERTIFICATE OF ANALYSIS (SAMPLE ID: SA40776)**

|   |   |   |   |
|---|---|---|---|
| <b>Testing Location:</b><br>Arkansas<br>232 S. Broadview St.<br>Greenbrier, AR 72058<br>- | <b>Customer ID:</b> 2161<br>River Valley Relief Cultivation<br>5601 Old Greenwood Rd Suite C<br>Fort Smith, AR 72903<br>License: 00065C | <b>Sample ID:</b> SA40776<br><b>Lot Number:</b> M00065C13134733219<br><b>Production Run:</b> 7091H20250218PFU-2 | <b>Sample Type:</b> Primary<br><b>Matrix:</b> Flower<br><b>Mass:</b> 23g<br><b>Date Collected:</b> 04/10/2025<br><b>Date Received:</b> 04/10/2025 |
| <b>Cultivar (Strain) or Sample Description:</b> Pineapple Fruz                            |   |   | <b>Date Completed:</b> 04/14/2025   |

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

**Analysis Date/Time:** 04/11/2025 1207  
**Analyst:** PW  
**Method:** Hardy Diagnostics CompactDry  
**Instrument:** Thermo Incubator  
**Deviations from SOP:** None

| <b>Bacteria/Microbe</b>    | <b>Result (CFU/g)</b> | <b>Action Level (CFU/g)</b> |
|----------------------------|-----------------------|-----------------------------|
| Aerobic Plate Count        | NT                    | -                           |
| Coliforms, Total           | Absent                | 1                           |
| Escherichia Coli (E. Coli) | Absent                | 100                         |
| Mold/Yeast                 | NT                    | -                           |
| Pseudomonas aeruginosa     | NT                    | -                           |
| 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

**Color Key**

RESULT < AL

RESULT > AL

**Reporting Limit (CFU/g)**

1

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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