

**SUMMARY OF ANALYSIS (SAMPLE ID: SA41326)**

<b>Testing Location:</b> Arkansas 232 S. Broadview St. Greenbrier, AR 72058 License: ADH 113	<b>Customer ID:</b> 2161 River Valley Relief Cultivation 5601 Old Greenwood Rd Suite C Fort Smith, AR 72903 License: 00065C	<b>Order ID:</b> OR11632 <b>Lot Number:</b> M00065C13132979735 <b>Production Run:</b> 6097H20250421POP-3	<b>Sample Type:</b> Primary <b>Matrix:</b> Flower <b>Mass:</b> 21g <b>Date Collected:</b> 06/05/2025 <b>Date Received:</b> 06/05/2025
<b>Cultivar (Strain) or Sample Description:</b> Pomelo Punch			<b>Date Completed:</b> 06/09/2025

\*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 (%)**

9.60

**Water Activity (aw)**

0.424 @ 24.2°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	32.0	320
CBGA	0.751	7.51
Δ9-THC	0.345	3.45
TOTAL CBD	0.000	0.000
TOTAL THC	28.4	284
TOTAL CANNABINOIDS	33.3	333

<b>Terpenes (Top 5)</b>	<b>(%)</b>	<b>ppm</b>
d-Limonene	0.480	4800
β-Myrcene	0.394	3940
α-Humulene	0.335	3350
Linalool	0.321	3210
β-Caryophyllene	0.199	1990
TOTAL TERPENES	2.14	21400

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



Scan the QR code to verify results.

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



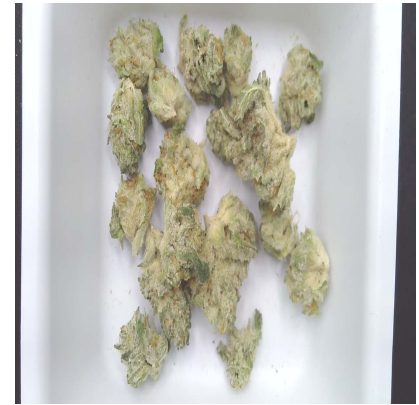
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<b>Cultivar (Strain) or Sample Description:</b> Pomelo Punch			<b>Date Completed:</b> 06/09/2025

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

**Analysis Date/Time:** 06/06/2025 1623      **Method:** HPLC/DAD      **Moisture Content (%):** 9.60  
**Analyst:** PW      **Instrument:** Agilent 1100      **Water Activity (aw):** 0.424 @ 24.2°C

<u>Cannabinoid</u>	<u>Result (%)</u>	<u>Result (mg/g)</u>	<u>LOD (mg/g)</u>	<u>LOQ (mg/g)</u>	<u>Result (mg/mL)</u>	<u>Per Serving (mg)</u>	<u>Per Unit (mg)</u>
CBC	ND	ND	0.0430	0.100	-	0.000	0.000
CBCA	ND	ND	0.133	0.311	-	0.000	0.000
CBD	ND	ND	0.303	0.707	-	0.000	0.000
CBDA	ND	ND	0.112	0.260	-	0.000	0.000
CBDV	ND	ND	0.0486	0.113	-	0.000	0.000
CBDVA	ND	ND	0.130	0.303	-	0.000	0.000
CBG	0.0817	0.817	0.197	0.459	-	0.739	0.739
CBGA	0.751	7.51	0.279	0.329	-	6.79	6.79
CBL	ND	ND	0.227	0.530	-	0.000	0.000
CBN	ND	ND	0.104	0.244	-	0.000	0.000
CBNA	ND	ND	0.113	0.263	-	0.000	0.000
Δ9-THC	0.345	3.45	0.125	0.292	-	3.12	3.12
Δ8-THC	ND	ND	0.195	0.456	-	0.000	0.000
THCA	32.0	320	0.0678	0.159	-	289	289
THCV	ND	ND	0.163	0.379	-	0.000	0.000
THCVA	0.175	1.75	0.0520	0.121	-	1.58	1.58
<b>TOTAL</b>	<b>33.3</b>	<b>333</b>				<b>301</b>	<b>301</b>
<b>TOTAL CBC</b>	0.000	0.000				0.000	0.000
<b>TOTAL CBD</b>	0.000	0.000				0.000	0.000
<b>TOTAL CBDV</b>	0.000	0.000				0.000	0.000
<b>TOTAL CBG</b>	0.741	7.41				6.70	6.70
<b>TOTAL CBN</b>	0.000	0.000				0.000	0.000
<b>TOTAL THC</b>	28.4	284				257	257
<b>TOTAL THCV</b>	0.152	1.52				1.37	1.37



**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 = (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) + 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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*Kyle W. Felling*  
Kyle W. Felling, Ph.D.  
Laboratory Director



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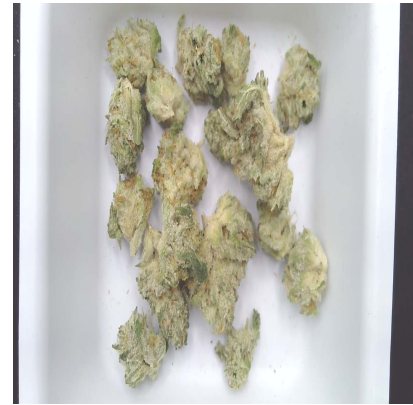
**TERPENOID PROFILE**

**Analysis Date/Time:** 06/06/2025 1845  
**Analyst:** KF

**Method:** GC/MS  
**Instrument:** Agilent 7890/5975

**Deviations from SOP:**  
None

<u>Terpene</u>	<u>Result (ppm)</u>	<u>Result (%)</u>	
α-Bisabolol	300	0.0300	
Camphene	137	0.0137	
δ-3-Carene	ND	-	
β-Caryophyllene	1990	0.199	
Caryophyllene oxide	100	0.0100	
p-Cymene	<LOQ	-	
Eucalyptol	ND	-	
Geraniol	ND	-	
Guaiol	1270	0.127	
α-Humulene	3350	0.335	
Isopulegol	ND	-	
d-Limonene	4800	0.480	
Linalool	3210	0.321	
β-Myrcene	3940	0.394	
cis-Nerolidol	ND	-	
trans-Nerolidol	596	0.0596	
α-Ocimene	<LOQ	-	
β-Ocimene	87.9	0.00879	
α-Pinene	481	0.0481	
β-Pinene	1040	0.104	
α-Terpinene	ND	-	
γ-Terpinene	ND	-	
Terpinolene	57.1	0.00571	
<b>TOTAL</b>	<b>21400</b>	<b>2.14</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): 47.1**

"-" Not detected above LOD.

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**Cultivar (Strain) or Sample Description:** Pomelo Punch **Date Completed:** 06/09/2025

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

**Analysis Date/Time:** 06/06/2025 1653  
**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)	-	0.0469	0.376	0.5	Kresoxim-methyl (143390-89-0)	-	0.0469	0.376	0.4
Acephate (30560-19-1)	-	0.0469	0.376	0.4	Malathion (121-75-5)	-	0.0469	0.376	0.2
Acetaminocyl (57960-19-7)	-	0.0469	0.376	2	Metalaxyl (57837-19-1)	-	0.0469	0.376	0.2
Acetamiprid (135410-20-7)	-	0.0469	0.376	0.2	Methiocarb (2032-65-7)	-	0.0469	0.376	0.2
Aldicarb (116-06-3)	-	0.0469	0.376	0.4	Methomyl (16752-77-5)	-	0.0469	0.376	0.4
Azoxystrobin (131860-33-8)	-	0.0469	0.376	0.2	Methyl parathion (298-0-0)	-	0.0469	0.376	0.2
Bifenazate (149877-41-8)	-	0.0469	0.376	0.2	MGK 264 (113-48-4)	-	0.0469	0.376	0.2
Bifenthrin (82657-04-3)	-	0.0469	0.376	0.2	Myclobutanil (88671-89-0)	-	0.0469	0.376	0.2
Boscalid (188425-85-6)	-	0.0469	0.376	0.4	Naled (300-76-5)	-	0.0469	0.376	0.5
Carbaryl (63-25-2)	-	0.0469	0.376	0.2	Oxamyl (23135-22-0)	-	0.0469	0.376	1
Carbofuran (1563-66-2)	-	0.0469	0.376	0.2	Pacllobutrazol (76738-62-0)	-	0.0469	0.376	0.4
Chlorantraniliprole (800008-45-7)	-	0.0469	0.376	0.2	Permethrins (52645-53-1)	-	0.0469	0.376	0.2
Chlorfenapyr (122453-73-0)	-	0.0469	0.376	1	Phosmet (732-11-6)	-	0.0469	0.376	0.2
Chlorpyrifos (2921-88-2)	-	0.0469	0.376	0.2	Piperonyl butoxide (51-03-6)	-	0.0469	0.376	2
Clofentezine (74115-24-5)	-	0.0469	0.376	0.2	Prallethrins (2331-36-9)	-	0.0469	0.376	0.2
Cyfluthrin (68359-37-5)	-	0.0469	0.376	1	Propiconazole (60207-90-1)	-	0.0469	0.376	0.4
Cypermethrin (52315-07-8)	-	0.0469	0.376	1	Propoxur (114-26-1)	-	0.0469	0.376	0.2
Daminozide (1596-84-5)	-	0.0469	0.376	1	Pyrethrins (8003-34-7)	-	0.0469	0.376	1
DDVP (62-73-7)	-	0.0469	0.376	0.1	Pyridaben (96489-71-3)	-	0.0469	0.376	0.2
Diazinon (333-41-5)	-	0.0469	0.376	0.2	Spinosad (168316-95-8)	-	0.0469	0.376	0.2
Dimethoate (60-51-5)	-	0.0469	0.376	0.2	Spiromesifen (283594-90-1)	-	0.0469	0.376	0.2
Ethoprophos (13194-48-4)	-	0.0469	0.376	0.2	Spirotetramat (203313-25-1)	-	0.0469	0.376	0.2
Etofenprox (80844-07-1)	-	0.0469	0.376	0.4	Spiroxamine (118134-30-8)	-	0.0469	0.376	0.4
Etoxazole (153233-91-1)	-	0.0469	0.376	0.2	Tebuconazole (80443-41-0)	-	0.0469	0.376	0.4
Fenoxycarb (72490-01-8)	-	0.0469	0.376	0.2	Thiacloprid (111988-49-9)	-	0.0469	0.376	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0469	0.376	0.4	Thiamethoxam (153719-23-4)	-	0.0469	0.376	0.2
Fipronil (120068-37-3)	-	0.0469	0.376	0.4	Trifloxystrobin (141517-21-7)	-	0.0469	0.376	0.2
Fonicamid (158062-67-0)	-	0.0469	0.376	1					
Fludioxinil (131341-86-1)	-	0.0469	0.376	0.4					
Hexythiazox (78587-05-0)	-	0.0469	0.376	1					
Imazalil (35554-44-0)	-	0.0469	0.376	0.2					
Imidacloprid (138261-41-3)	-	0.0469	0.376	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	Sythane	Propiconazole	Tilt
DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethoprophos	Prophos	Phosmet	Imidan		

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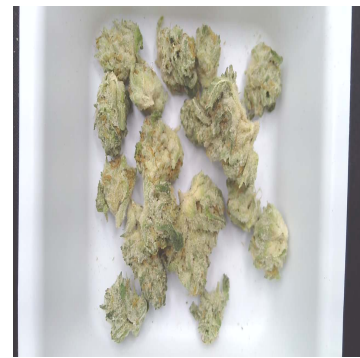
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**HEAVY METAL PROFILE (SOP: SOP-ICP-200.6)**

**Analysis Date/Time:** 06/06/2025 1651      **Method:** ICP/MS      **Deviations from SOP:** None  
**Analyst:** KF      **Instrument:** Agilent 7700x

<u>Heavy Metal</u>	<u>Result (ppb)</u>	<u>LOD (ppb)</u>	<u>LOQ (ppb)</u>	<u>Action Level (ppb)</u>
Arsenic (As)	ND	57.6	91.2	200
Cadmium (Cd)	ND	57.6	91.2	200
Lead (Pb)	ND	57.6	91.2	500
Mercury (Hg)	ND	57.6	91.2	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.

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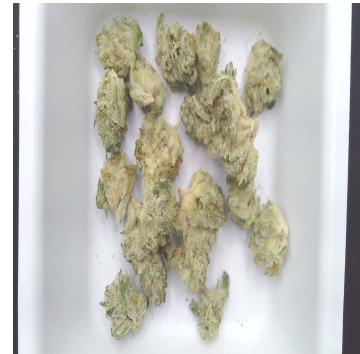
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**MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)**

**Analysis Date/Time:** 06/06/2025 1314      **Method:** Hardy Diagnostics CompactDry      **Deviations from SOP:**  
**Analyst:** PW      **Instrument:** Thermo Incubator      None

<u>Bacteria/Microbe</u>	<u>Result (CFU/g)</u>	<u>Action Level (CFU/g)</u>
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

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