





## SUMMARY OF ANALYSIS (SAMPLE ID: SA40702)

Testing Location:	Customer ID: 2161	Order ID: OR11528	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13136638691	Mass: 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 04/03/2025
License: ADH 113	License: 00065C	6090H20250210SLC-2	Date Received: 04/03/2025
Cultivar (Strain) or Sample Des	Date Completed:04/07/2025		

\*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

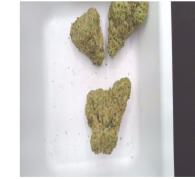
Moisture Content (%)	Water Activity (aw)	PASS/FAIL
9.80	0.375 @ 24.4°C	PASS

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.

Cannabin	<u>oids (Top 3)</u>	<u>(%)</u>	<u>mg</u> /g
TH	ICA	28.8	288
CE	3GA	1.25	12.5
Δ9-	THC	1.16	11.6
TOTA	L CBD	0.000	0.000
TOTA	L THC	26.5	265
TOTAL CAN	INABINOIDS	31.5	315
Terpen	<u>es (Top 5)</u>	<u>(%)</u>	<u>ppm</u>
d-Lin	nonene	1.32	13200
Lin	alool	0.966	9660
β-Caryophyllene		0.616	6160
	nulene	0.275	2750
α-Hu		0.275 0.243	2750 2430
α-Huu β-Pi	nulene		

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

#### Sample Picture Upon Receipt





Scan the QR code to verify results.

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

REPORT OF LABORATORY ANALYSIS

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

Analysis Date/Time: 04/04/2025 1155 Analyst: PW Method: HPLC/DAD Instrument: Agilent 1100

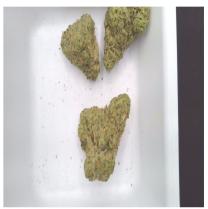
<u>Cannabinoid</u>	<u>Result</u> (%)	<u>Result</u> (mg/g)	<u>LOD</u> (mg/g)	<u>LOQ</u> (mg/g)	<u>Result</u> (mg/ mL)	<u>Per</u> Serving (mg)	<u>Per</u> <u>Unit</u> ( <u>mg</u> )
CBC	ND	ND	0.0441	0.103	-	0.000	0.000
CBCA	ND	ND	0.137	0.320	-	0.000	0.000
CBD	ND	ND	0.311	0.727	-	0.000	0.000
CBDA	DET	DET	0.115	0.268	-	0.000	0.000
CBDV	ND	ND	0.0500	0.117	-	0.000	0.000
CBDVA	ND	ND	0.133	0.311	-	0.000	0.000
CBG	0.159	1.59	0.202	0.472	-	1.43	1.43
CBGA	1.25	12.5	0.287	0.338	-	11.3	11.3
CBL	ND	ND	0.234	0.545	-	0.000	0.000
CBN	ND	ND	0.107	0.251	-	0.000	0.000
CBNA	ND	ND	0.116	0.270	-	0.000	0.000
Δ9-ΤΗC	1.16	11.6	0.129	0.300	-	10.5	10.5
$\Delta 8$ -THC	ND	ND	0.201	0.468	-	0.000	0.000
THCA	28.8	288	0.0697	0.163	-	260	260
THCV	ND	ND	0.167	0.390	-	0.000	0.000
THCVA	0.123	1.23	0.0534	0.124	-	1.11	1.11
TOTAL	31.5	315				284	284
TOTAL CBC	0.000	0.000				0.000	0.000
TOTAL CBD	0.000	0.000			-	0.000	0.000
TOTAL CBDV	0.000	0.000			-	0.000	0.000
TOTAL CBG	1.26	12.6			-	11.4	11.4
TOTAL CBN	0.000	0.000			-	0.000	0.000
TOTAL THC	26.5	265			-	239	239
TOTAL THCV	0.107	1.07			-	0.962	0.962

*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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**Moisture Content (%):** 9.80 **Water Activity (aw):** 0.375 @ 24.4°C



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) +  $\Delta$ 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.

W. Felling, Ph.D

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







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Cultivar (Strain) or Sample Des	Date Completed:04/07/2025		

Analysis Date/Time:04/04/2025 1244 Analyst: KF

# TERPENOID PROFILE

Method: GC/MS Instrument: Agilent 7890/5975

### **Deviations from SOP:** None

Analyst: KF	Instrument: Agilent 7890/5975				
<u>Terpene</u>	<u>Result</u> (ppm)	<u>Result</u> (%)			
α-Bisabolol	590	0.0590			
Camphene	354	0.0354			
δ-3-Carene	ND	-			
β-Caryophyllene	6160	0.616			
Caryophyllene oxide	134	0.0134			
p-Cymene	58.1	0.00581			
Eucalyptol	<loq< td=""><td>-</td><td></td></loq<>	-			
Geraniol	<loq< td=""><td>-</td><td></td></loq<>	-			
Guaiol	ND	-			
α-Humulene	2750	0.275			
Isopulegol	ND	-			
d-Limonene	13200	1.32			
Linalool	9660	0.966			
β-Myrcene	896	0.0896			
cis-Nerolidol	ND	-			
trans-Nerolidol	1310	0.131			
α-Ocimene	175	0.0175			
β-Ocimene	926	0.0926			
α-Pinene	2160	0.216			
β-Pinene	2430	0.243			
α-Terpinene	ND	-			
γ-Terpinene	<loq< td=""><td>-</td><td></td></loq<>	-			
Terpinolene	170	0.0170			
TOTAL	40900	4.09			



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): 48.4

"-" Not detected above LOD.









**Deviations from SOP:** 

None



## **CERTIFICATE OF ANALYSIS (SAMPLE ID: SA40702)**

Testing Location:	Customer ID: 2161	Order ID: OR11528	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13136638691	Mass: 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 04/03/2025
License: ADH 113	License: 00065C	6090H20250210SLC-2	Date Received: 04/03/2025
Cultivar (Strain) or Sample Do	Date Completed:04/07/2025		

## Analysis Date/Time: 04/04/2025 1225 Analyst: KF

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

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

<u>Pesticide</u>	<u>Result</u> (ppm)	<u>LOD</u> (ppm)	<u>LOQ</u> (ppm)	<u>Action</u> <u>Level</u> (ppm)	<u>Pesticide</u>	<u>Result</u> (ppm)	<u>LOD</u> (ppm)	<u>LOQ</u> (ppm)	<u>Action</u> <u>Level</u> (ppm)	
Abamectin (71751-41-2)	-	0.0481	0.385	0.5	Kresoxim-methyl		0.0481	0.385	0.4	
Acephate (30560-19-1)	-	0.0481	0.385	0.4	(143390-89-0)					
Acequinocyl (57960-19-7)	-	0.0481	0.385	2	Malathion (121-75-5)	-	0.0481	0.385	0.2	
Acetamiprid (135410-20-7)	-	0.0481	0.385	0.2	Metalaxyl (57837-19-1) Methiocarb (2032-65-7)	-	0.0481 0.0481	0.385 0.385	0.2 0.2	<u>Color Key</u>
Aldicarb (116-06-3)	-	0.0481	0.385	0.4	Methomyl (16752-77-5)	_	0.0481	0.385	0.4	<b>RESULT &lt; AL</b>
Azoxystrobin (131860-33-8)	-	0.0481	0.385	0.2	Methyl parathion (298-0-0)	-	0.0481	0.385	0.2	RESULT > AL
(149877-41-8)	-	0.0481	0.385	0.2	MGK 264 (113-48-4)	_	0.0481	0.385	0.2	"DET" detected less than LOQ
Bifenthrin (82657-04-3)	-	0.0481	0.385	0.2	Myclobutanil		0.0404	0.005	0.0	-
Boscalid (188425-85-6)	-	0.0481	0.385	0.4	(88671-89-0)	-	0.0481	0.385	0.2	"-" not detected above LOD
Carbaryl (63-25-2)	-	0.0481	0.385	0.2	Naled (300-76-5)	-	0.0481	0.385	0.5	
Carbofuran (1563-66-2)	-	0.0481	0.385	0.2	Oxamyl (23135-22-0)	-	0.0481	0.385	1	Permethrins measured as the cumulative residue of the <i>cis</i> - and
Chlorantraniliprole (800008-45-7)	-	0.0481	0.385	0.2	Paclobutrazol (76738-62-0)	-	0.0481	0.385	0.4	<i>trans</i> - permethrin isomers.
(bbbbbb 457) Chlorfenapyr					Permethrins (52645-53-1)	-	0.0481	0.385	0.2	Pyrethrins measured as the
(122453-73-0)	-	0.0481	0.385	1	Phosmet (732-11-6)	-	0.0481	0.385	0.2	cumulative residue of the pyrethrin I, cinerin I, and jasmolin
Chlorpyrifos (2921-88-2)	-	0.0481	0.385	0.2	Piperonyl butoxide	_	0.0481	0.385	2	I isomers.
Clofentezine (74115-24-5)	-	0.0481	0.385	0.2	(51-03-6)					Action levels are
Cyfluthrin (68359-37-5)	-	0.0481	0.385	1	Prallethrins (2331-36-9)	-	0.0481	0.385	0.2	referenced from the State of
Cypermethrin (52315-07-8)	-	0.0481	0.385	1	Propiconazole (60207-90-1))	-	0.0481	0.385	0.4	Arkansas MMJ testing
Daminozide (1596-84-5)	-	0.0481	0.385	1	Propoxur (114-26-1)	-	0.0481	0.385	0.2	guidelines.
DDVP (62-73-7)	-	0.0481	0.385	0.1	Pyrethrins (8003-34-7)	-	0.0481	0.385	1	A value of "-" for the action level
Diazinon (333-41-5)	-	0.0481	0.385	0.2	Pyridaben (96489-71-3)	-	0.0481	0.385	0.2	means that analyte is not
Dimethoate (60-51-5)	-	0.0481	0.385	0.2	Spinosad (168316-95-8)	-	0.0481	0.385	0.2	currently regulated by the regulations referenced above.
Ethoprophos (13194-48-4)	-	0.0481	0.385	0.2	Spiromesifen	-	0.0481	0.385	0.2	5
Etofenprox (80844-07-1)	-	0.0481	0.385	0.4	(283594-90-1) Spirotetramat					<i>Disclaimer</i> : This information is provided as a service and makes
Etoxazole (153233-91-1)	-	0.0481	0.385	0.2	(203313-25-1)	-	0.0481	0.385	0.2	no claims of efficacy and/or safety
Fenoxycarb (72490-01-8)	-	0.0481	0.385	0.2	Spiroxamine		0.0401	0.205	0.4	of this product. Results are
(E)-Fenpyroximate (134098-61-6)	-	0.0481	0.385	0.4	(118134-30-8) Tebuconazole	-	0.0481	0.385	0.4	applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is
Fipronil (120068-37-3)	-	0.0481	0.385	0.4	(80443-41-0)	-	0.0481	0.385	0.4	for informational purposes only
Flonicamid (158062-67-0)	-	0.0481	0.385	1	Thiacloprid	<u>_</u>	0.0481	0.385	0.2	and should not be used to diagnose, treat, or prevent any
Fludioxinil (131341-86-1)	-	0.0481	0.385	0.4	(111988-49-9)		5.0401	0.000	0.2	medical-related symptoms. The
Hexythiazox (78587-05-0)	-	0.0481	0.385	1	Thiamethoxam (153719-23-4)	-	0.0481	0.385	0.2	statements and results herein have
Imazalil (35554-44-0)	-	0.0481	0.385	0.2	(153719-25-4) Trifloxystrobin					not been approved and/or endorsed by the FDA.
Imidacloprid (138261-41-3)	-	0.0481	0.385	0.4	(141517-21-7)	-	0.0481	0.385	0.2	endoised by the r.D.A.

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

<b>X</b>					
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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Cultivar (Strain) or Sample Description:Slurri CrasherDate Completed:04/07/202				

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

Analysis Date/Time: 04/04/2025 1215		Method: ICP/MS		<b>Deviations from SOP:</b>
		Instrume	nt: Agilent 7700x	None
<u>Result</u> (ppb)	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	
ND	57.4	90.9	200	
ND	57.4	90.9	200	
ND	57.4	90.9	500	
ND	57.4	90.9	100	
	<u>Result</u> (ppb) ND ND ND	Result (ppb) LOD (ppb)   ND 57.4   ND 57.4   ND 57.4   ND 57.4	Result (ppb) LOD (ppb) LOQ (ppb)   ND 57.4 90.9   ND 57.4 90.9   ND 57.4 90.9	Result (ppb)LOD (ppb)LOQ (ppb)Action Level (ppb)ND57.490.9200ND57.490.9200ND57.490.9200ND57.490.9500

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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W. Felling, Ph.D. rv Dir

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

Analysis Date/Time: 04/04/20 Analyst: PW		: Hardy Diagnostics CompactDry nent: Thermo Incubator	<b>Deviations from SOP:</b> None
Bacteria/Microbe	<u>Result</u> (CFU/g)	<u>Action Level</u> (CFU/g)	
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





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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