





SUMMARY OF ANALYSIS (SAMPLE ID: SA41035)

Testing Location:	Customer ID: 2161	Order ID: OR11586	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13133980738	Mass: 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 05/08/2025
License: ADH 113	License: 00065C	3094H20250326RDV-4	Date Received: 05/08/2025
Cultivar (Strain) or Sample De	Date Completed:05/12/2025		

*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
10.1	0.441 @ 24.6°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>	mg/g
TF	ICA	25.5	255
CE	BGA	1.09	10.9
Δ9-	THC	0.871	8.71
TOTA	L CBD	0.000	0.000
TOTA	L THC	23.3	233
TOTAL CAN	INABINOIDS	27.7	277
Terpene	<u>es (Top 5)</u>	<u>(%)</u>	<u>ppm</u>
d-Lin	nonene	0.649	6490
β-Caryo	phyllene	0.563	5630
Lin	alool	0.323	3230
α-Hu	nulene	0.237	2370
	nulene ⁄rcene	0.237 0.189	2370 1890
β-Μy			

Contaminants	PASS/FAIL
Heavy Metals:	PASS
Microbiology:	PASS
Pesticides:	PASS

Sample Picture Upon Receipt





Scan the QR code to verify results.

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Cultivar (Strain) or Sample Desc	Date Completed:05/12/2025		

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

Analysis Date/Time: 05/09/2025 2228 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> <u>Serving</u> (mg)	<u>Per</u> 5 <u>Unit</u> (<u>mg</u>)
CBC	ND	ND	0.0459	0.107	-	0.000	0.000
CBCA	ND	ND	0.143	0.333	-	0.000	0.000
CBD	ND	ND	0.324	0.756	-	0.000	0.000
CBDA	ND	ND	0.119	0.278	-	0.000	0.000
CBDV	ND	ND	0.0520	0.121	-	0.000	0.000
CBDVA	ND	ND	0.139	0.324	-	0.000	0.000
CBG	0.0922	0.922	0.210	0.491	-	0.828	0.828
CBGA	1.09	10.9	0.298	0.352	-	9.79	9.79
CBL	ND	ND	0.243	0.567	-	0.000	0.000
CBN	ND	ND	0.112	0.261	-	0.000	0.000
CBNA	ND	ND	0.120	0.281	-	0.000	0.000
Δ9-ΤΗC	0.871	8.71	0.134	0.312	-	7.83	7.83
$\Delta 8$ -THC	ND	ND	0.209	0.487	-	0.000	0.000
THCA	25.5	255	0.0725	0.170	-	229	229
THCV	ND	ND	0.174	0.406	-	0.000	0.000
THCVA	0.162	1.62	0.0556	0.129	-	1.46	1.46
TOTAL	27.7	277			-	249	249
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	1.05	10.5			-	9.42	9.42
TOTAL CBN	0.000	0.000			-	0.000	0.000
TOTAL THC	23.3	233			-	209	209
TOTAL THCV	0.141	1.41			-	1.27	1.27

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 (%): 10.1 **Water Activity (aw):** 0.441 @ 24.6°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) + Δ 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.

V. Felling, Ph.D

REPORT OF LABORATORY ANALYSIS

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Order ID: OR11586 **Testing Location:** Customer ID: 2161 Sample Type: Primary Arkansas **River Valley Relief Cultivation** Lot Number: Matrix: Flower 232 S. Broadview St. 5601 Old Greenwood Rd Suite C M00065C13133980738 Mass: 23g Greenbrier, AR 72058 Fort Smith, AR 72903 **Production Run:** Date Collected: 05/08/2025 3094H20250326RDV-4 License: ADH 113 License: 00065C Date Received: 05/08/2025 Cultivar (Strain) or Sample Description: Red Velvet Date Completed:05/12/2025

Analysis Date/Time:05/11/2025 2106 Analyst: KF

TER	PENOID PROFILE

Method: GC/MS Instrument: Agilent 7890/5975

Deviations from SOP: None

Analyst: KF		Instru	ment: Agilent 7890/5975
<u>Terpene</u>	<u>Result</u> (ppm)	<u>Result</u> <u>(%)</u>	
α-Bisabolol	942	0.0942	
Camphene	203	0.0203	
δ-3-Carene	ND	-	
β-Caryophyllene	5630	0.563	
Caryophyllene oxide	118	0.0118	
p-Cymene	<loq< td=""><td>-</td><td></td></loq<>	-	
Eucalyptol	<loq< td=""><td>-</td><td></td></loq<>	-	
Geraniol	ND	-	
Guaiol	ND	-	
α-Humulene	2370	0.237	
Isopulegol	ND	-	
d-Limonene	6490	0.649	
Linalool	3230	0.323	
β-Myrcene	1890	0.189	
cis-Nerolidol	ND	-	
trans-Nerolidol	1400	0.140	
α-Ocimene	<loq< td=""><td>-</td><td></td></loq<>	-	
β-Ocimene	141	0.0141	
α-Pinene	748	0.0748	
β-Pinene	1380	0.138	
α-Terpinene	ND	-	
γ-Terpinene	ND	-	
Terpinolene	76.3	0.00763	
TOTAL	24600	2.46	

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): 50.4

"-" Not detected above LOD.









Deviations from SOP:

None



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA41035)

Testing Location:	Customer ID: 2161	Order ID: OR11586	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower
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Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 05/08/2025
License: ADH 113	License: 00065C	3094H20250326RDV-4	Date Received: 05/08/2025
Cultivar (Strain) or Sample	Date Completed:05/12/2025		

Analysis Date/Time: 05/10/2025 319 Analyst: KF

PESTICIDES PROFILE (SOP: SOP-PEST-001)

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

Pesticide				Action	Pesticide				Action	
	<u>Result</u> (ppm)	<u>LOD</u> (ppm)	<u>LOQ</u> (ppm)	Level (ppm)		<u>Result</u> (ppm)	<u>LOD</u> (ppm)	<u>LOQ</u> (ppm)	Level (ppm)	398
Abamectin (71751-41-2)	-	0.0495	0.396	0.5	Kresoxim-methyl	_	0.0495	0.396	0.4	
Acephate (30560-19-1)	-	0.0495	0.396	0.4	(143390-89-0)					and the second
Acequinocyl (57960-19-7)	-	0.0495	0.396	2	Malathion (121-75-5)	-	0.0495	0.396	0.2	
Acetamiprid (135410-20-7)	-	0.0495	0.396	0.2	Metalaxyl (57837-19-1) Methiocarb (2032-65-7)	-	0.0495 0.0495	0.396 0.396	0.2 0.2	<u>Color Key</u>
Aldicarb (116-06-3)	-	0.0495	0.396	0.4	Methomyl (16752-77-5)	_	0.0495	0.396	0.4	RESULT < AL
Azoxystrobin (131860-33-8)	-	0.0495	0.396	0.2	Methyl parathion (298-0-0)	-	0.0495	0.396	0.2	RESULT > AL
Bifenazate (149877-41-8)	-	0.0495	0.396	0.2	MGK 264 (113-48-4)	-	0.0495	0.396	0.2	"DET" detected less than LOQ
Bifenthrin (82657-04-3)	-	0.0495	0.396	0.2	Myclobutanil		0.0495	0.396	0.2	"-" not detected above
Boscalid (188425-85-6)	-	0.0495	0.396	0.4	(88671-89-0)					LOD
Carbaryl (63-25-2)	-	0.0495	0.396	0.2	Naled (300-76-5)	-	0.0495	0.396	0.5	Deven schedure and en sche
Carbofuran (1563-66-2)	-	0.0495	0.396	0.2	Oxamyl (23135-22-0)	-	0.0495	0.396	1	Permethrins measured as the cumulative residue of the <i>cis</i> - and
Chlorantraniliprole (800008-45-7)	-	0.0495	0.396	0.2	Paclobutrazol (76738-62-0)	-	0.0495	0.396	0.4	trans- permethrin isomers.
Chlorfenapyr		0.0495	0.396	1	Permethrins (52645-53-1)	-	0.0495	0.396	0.2	Pyrethrins measured as the cumulative residue of the
(122453-73-0)	-				Phosmet (732-11-6)	-	0.0495	0.396	0.2	pyrethrin I, cinerin I, and jasmolin
Chlorpyrifos (2921-88-2)	-	0.0495	0.396	0.2	Piperonyl butoxide (51-03-6)	-	0.0495	0.396	2	I isomers.
Clofentezine (74115-24-5)	-	0.0495	0.396	0.2	(31-03-0) Prallethrins (2331-36-9)		0.0495	0.396	0.2	Action levels are
Cyfluthrin (68359-37-5)	-	0.0495	0.396	1	Propiconazole					referenced from the State of
Cypermethrin (52315-07-8)	-	0.0495	0.396	1	(60207-90-1))	-	0.0495	0.396	0.4	Arkansas MMJ testing
Daminozide (1596-84-5)	-	0.0495	0.396	1	Propoxur (114-26-1)	-	0.0495	0.396	0.2	guidelines.
DDVP (62-73-7)	-	0.0495	0.396	0.1	Pyrethrins (8003-34-7)	-	0.0495	0.396	1	A value of "-" for the action level
Diazinon (333-41-5)	-	0.0495	0.396	0.2	Pyridaben (96489-71-3)	-	0.0495	0.396	0.2	means that analyte is not
Dimethoate (60-51-5)	-	0.0495	0.396	0.2	Spinosad (168316-95-8)	-	0.0495	0.396	0.2	currently regulated by the regulations referenced above.
Ethoprophos (13194-48-4)	-	0.0495	0.396	0.2	Spiromesifen (283594-90-1)	-	0.0495	0.396	0.2	
Etofenprox (80844-07-1)	-	0.0495	0.396	0.4	Spirotetramat					<i>Disclaimer</i> : This information is provided as a service and makes
Etoxazole (153233-91-1)	-	0.0495	0.396	0.2	(203313-25-1)	-	0.0495	0.396	0.2	no claims of efficacy and/or safety
Fenoxycarb (72490-01-8)	-	0.0495	0.396	0.2	Spiroxamine		0.0495	0.396	0.4	of this product. Results are applicable only for the sample(s)
(E)-Fenpyroximate (134098-61-6)	-	0.0495	0.396	0.4	(118134-30-8) Tebuconazole					analyzed and for the specific analysis conducted. This report is
Fipronil (120068-37-3)	-	0.0495	0.396	0.4	(80443-41-0)	-	0.0495	0.396	0.4	for informational purposes only
Flonicamid (158062-67-0)	-	0.0495	0.396	1	Thiacloprid	_	0.0495	0.396	0.2	and should not be used to diagnose, treat, or prevent any
Fludioxinil (131341-86-1)	-	0.0495	0.396	0.4	(111988-49-9)					medical-related symptoms. The
Hexythiazox (78587-05-0)	-	0.0495	0.396	1	Thiamethoxam (153719-23-4)	-	0.0495	0.396	0.2	statements and results herein have
Imazalil (35554-44-0)	-	0.0495	0.396	0.2	Trifloxystrobin				a -	not been approved and/or endorsed by the FDA.
Imidacloprid (138261-41-3)	-	0.0495	0.396	0.4	(141517-21-7)	-	0.0495	0.396	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

CyfluthrinBaythroidMyclobutanilSysthanePropiconazoleTiltDDVPDichlorvosNaledDibromPropoxurBaygonEthoprophosProphosPhosmetImidan	Pesticide	<u>Synonym(s)</u>	Pesticide	<u>Synonym(s)</u>	Pesticide	Synonym(s)
	Cyfluthrin	Baythroid	Myclobutanil	Systhane	Propiconazole	Tilt
Ethoprophos Prophos Phosmet Imidan	DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
	Ethoprophos	Prophos	Phosmet	Imidan		



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







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License: ADH 113	License: 00065C	3094H20250326RDV-4	Date Received: 05/08/2025
Cultivar (Strain) or Sample D	Date Completed:05/12/2025		

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

Analysis Date/Time: 05/09/2025 2131			Method: ICP/MS Instrument: Agilent 7700x		Deviations from SOP: None
Analyst: KF					
<u>Heavy Metal</u>	<u>Result</u> (ppb)	<u>LOD</u> (ppb)	<u>LOQ</u> (ppb)	<u>Action Level</u> (ppb)	Para Ma
Arsenic (As)	ND	59.5	94.2	200	
Cadmium (Cd)	ND	59.5	94.2	200	
Lead (Pb)	ND	59.5	94.2	500	ALL AND THE
Mercury (Hg)	ND	59.5	94.2	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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W. Felling, Ph.D. ry Dire

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-	License: 00065C	3094H20250326RDV-4	Date Received: 05/08/2025
Cultivar (Strain) or Sample I	Date Completed:05/12/2025		

MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 05/12/2025 (Analyst: PW		od: Hardy Diagnostics CompactDry ument: Thermo Incubator	Deviations from SOP: None
Bacteria/Microbe	<u>Result</u> (CFU/g)	<u>Action Level</u> (CFU/g)	Parallel
Aerobic Plate Count	NT	· ·	· · · · · · · · · · · · · · · · · · ·
Coliforms, Total	Present	1	
Escherichia Coli (E. Coli)	Absent	100	STATION THE
Mold/Yeast	NT	-	
Pseudomonas aeruginosa	NT	-	
Salmonella spp.	NT	-	AND AND A
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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