





SUMMARY OF ANALYSIS (SAMPLE ID: SA40924)

Testing Location:	Customer ID: 2161	Order ID: OR11570	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13135961833	Mass: 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 04/28/2025
License: ADH 113	License: 00065C	2093H20250312HSP-3	Date Received: 04/28/2025
Cultivar (Strain) or Sample Des	Date Completed:04/30/2025		

*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
11.2	0.419 @ 24.3°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
TF	ICA	25.8	258
Δ9-	THC	2.42	24.2
CE	3GA	0.285	2.85
TOTA	AL CBD	0.0535	0.535
TOTA	AL THC	25.0	250
TOTAL CAN	NABINOIDS	28.8	288
Terpene	<u>es (Top 5)</u>	<u>(%)</u>	<u>ppm</u>
d-Lin	nonene	1.24	12400
Lin	alool	0.777	7770
2111			
	ophyllene	0.708	7080
β-Caryo	ophyllene yrcene		
β-Сагус β-Му		0.708	7080
β-Сагус β-Му α-Нш	yrcene	0.708 0.397	7080 3970

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

Sample Picture Upon Receipt





Scan the QR code to verify results.

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The statements and results herein have not been approved and/or endorsed by the FDA.

Kyle W. Felling, Ph.D. Laboratory Director

REPORT OF LABORATORY ANALYSIS

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Customer ID: 2161	Order ID: OR11570	Sample Type: Primary
River Valley Relief Cultivation	Lot Number:	Matrix: Flower
5601 Old Greenwood Rd Suite C	M00065C13135961833	Mass: 23g
Fort Smith, AR 72903	Production Run:	Date Collected: 04/28/2025
License: 00065C	2093H20250312HSP-3	Date Received: 04/28/2025
r iption: Halloween Special		Date Completed:04/30/2025
	River Valley Relief Cultivation 5601 Old Greenwood Rd Suite C Fort Smith, AR 72903	River Valley Relief CultivationLot Number:5601 Old Greenwood Rd Suite CM00065C13135961833Fort Smith, AR 72903Production Run:License: 00065C2093H20250312HSP-3

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

Analysis Date/Time: 04/29/2025 1537 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> <u>Per</u> (mg/ <u>Servir</u> <u>mL) (mg</u>)	<u>Per</u> ng <u>Unit</u> (mg)
CBC	ND	ND	0.0421	0.0983	- 0.000	0.000
CBCA	ND	ND	0.131	0.305	- 0.000	0.000
CBD	ND	ND	0.297	0.694	- 0.000	0.000
CBDA	0.0610	0.610	0.109	0.255	- 0.542	0.542
CBDV	ND	ND	0.0477	0.111	- 0.000	0.000
CBDVA	ND	ND	0.127	0.297	- 0.000	0.000
CBG	0.161	1.61	0.193	0.451	- 1.43	1.43
CBGA	0.285	2.85	0.273	0.323	- 2.53	2.53
CBL	ND	ND	0.223	0.520	- 0.000	0.000
CBN	ND	ND	0.102	0.239	- 0.000	0.000
CBNA	ND	ND	0.111	0.258	- 0.000	0.000
Δ9-ΤΗC	2.42	24.2	0.123	0.286	- 21.5	21.5
$\Delta 8$ -THC	ND	ND	0.191	0.447	- 0.000	0.000
THCA	25.8	258	0.0665	0.156	- 229	229
THCV	ND	ND	0.160	0.372	- 0.000	0.000
THCVA	0.0793	0.793	0.0510	0.119	- 0.704	0.704
TOTAL	28.8	288			- 256	256
TOTAL CBC	0.000	0.000			- 0.000	0.000
TOTAL CBD	0.0535	0.535			- 0.475	0.475
TOTAL CBDV	0.000	0.000			- 0.000	0.000
TOTAL CBG	0.411	4.11			- 3.65	3.65
TOTAL CBN	0.000	0.000			- 0.000	0.000
TOTAL THC	25.0	250			- 222	222
TOTAL THCV	0.0687	0.687			- 0.610	0.610

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 (%): 11.2 **Water Activity (aw):** 0.419 @ 24.3°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.

. Felling, Ph.D

REPORT OF LABORATORY ANALYSIS

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License: ADH 113	License: 00065C	2093H20250312HSP-3	Date Received: 04/28/2025
Cultivar (Strain) or Sample Do	scription: Halloween Special		Date Completed:04/30/2025

Analysis Date/Time:04/29/2025 1711 Analyst: KF

TERPENOID PROFILE

Method: GC/MS Instrument: Agilent 7890/5975

Deviations from SOP: None

<u>Terpene</u>	<u>Result</u> (ppm)	<u>Result</u> (%)		(all
α-Bisabolol	661	0.0661	1	r.
Camphene	318	0.0318		
δ-3-Carene	ND	-		
β-Caryophyllene	7080	0.708		
Caryophyllene oxide	71.6	0.00716		
p-Cymene	53.8	0.00538		i switch
Eucalyptol	ND	-		
Geraniol	148	0.0148		
Guaiol	<loq< td=""><td>-</td><td></td><td></td></loq<>	-		
α-Humulene	2820	0.282		Abbreviation Chromatogra
Isopulegol	<loq< td=""><td>-</td><td>_</td><td>Spectrometry</td></loq<>	-	_	Spectrometry
d-Limonene	12400	1.24		Abbreviation LOD - Limit
Linalool	7770	0.777		of Quantitation
β-Myrcene	3970	0.397		This informa and makes no
cis-Nerolidol	ND	-	_	safety of this
trans-Nerolidol	ND	-		Results are a
α-Ocimene	138	0.0138		sample(s) an analysis cono
β-Ocimene	362	0.0362		This report is
α-Pinene	1870	0.187		only and sho treat, or prev
β-Pinene	2260	0.226		medical-relat
α-Terpinene	ND	-	-	The statemen not been app
γ-Terpinene	ND	-		the FDA.
Terpinolene	148	0.0148		
TOTAL	40100	4.01		

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): 46.2

"-" Not detected above LOD.









Deviations from SOP:

None



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA40924)

Testing Location:	Customer ID: 2161	Order ID: OR11570	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: 04/28/2025
License: ADH 113	License: 00065C	2093H20250312HSP-3	Date Received: 04/28/2025
Cultivar (Strain) or Sample D	Date Completed:04/30/2025		

Analysis Date/Time: 04/29/2025 1623 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> Level (ppm)	<u>Pesticide</u>	<u>Result</u> (ppm)	<u>LOD</u> (ppm)	<u>LOQ</u> (ppm)	<u>Action</u> Level (ppm)	
Abamectin (71751-41-2)	-	0.0459	0.367	0.5	Kresoxim-methyl	_	0.0459	0.367	0.4	S. Land
Acephate (30560-19-1)	-	0.0459	0.367	0.4	(143390-89-0)					and i de
Acequinocyl (57960-19-7)	-	0.0459	0.367	2	Malathion (121-75-5)	-	0.0459	0.367	0.2	
Acetamiprid (135410-20-7)	-	0.0459	0.367	0.2	Metalaxyl (57837-19-1) Methiocarb (2032-65-7)	-	0.0459 0.0459	0.367 0.367	0.2 0.2	<u>Color Key</u>
Aldicarb (116-06-3)	-	0.0459	0.367	0.4	Methomyl (16752-77-5)	-	0.0459	0.367	0.4	RESULT < AL
Azoxystrobin (131860-33-8)	-	0.0459	0.367	0.2	Methyl parathion (298-0-0)	-	0.0459	0.367	0.2	RESULT > AL
Bifenazate (149877-41-8)	-	0.0459	0.367	0.2	MGK 264 (113-48-4)	-	0.0459	0.367	0.2	"DET" detected less than LOQ
Bifenthrin (82657-04-3)	-	0.0459	0.367	0.2	Myclobutanil	_	0.0459	0.367	0.2	"-" not detected above
Boscalid (188425-85-6)	-	0.0459	0.367	0.4	(88671-89-0)					LOD
Carbaryl (63-25-2)	-	0.0459	0.367	0.2	Naled (300-76-5)	-	0.0459	0.367	0.5	Permethrins measured as the
Carbofuran (1563-66-2)	-	0.0459	0.367	0.2	Oxamyl (23135-22-0)	-	0.0459	0.367	1	cumulative residue of the <i>cis</i> - and
Chlorantraniliprole (800008-45-7)	-	0.0459	0.367	0.2	Paclobutrazol (76738-62-0)	-	0.0459	0.367	0.4	<i>trans</i> - permethrin isomers.
Chlorfenapyr		0.0459	0.367	1	Permethrins (52645-53-1)	-	0.0459	0.367	0.2	Pyrethrins measured as the cumulative residue of the
(122453-73-0)	-	0.0435	0.307	1	Phosmet (732-11-6)	-	0.0459	0.367	0.2	pyrethrin I, cinerin I, and jasmolin
Chlorpyrifos (2921-88-2)	-	0.0459	0.367	0.2	Piperonyl butoxide	-	0.0459	0.367	2	I isomers.
Clofentezine (74115-24-5)	-	0.0459	0.367	0.2	(51-03-6) Prallethrins (2331-36-9)	_	0.0459	0.367	0.2	Action levels are
Cyfluthrin (68359-37-5)	-	0.0459	0.367	1	Propiconazole	-	0.0459	0.307	0.2	referenced from the State of
Cypermethrin (52315-07-8)	-	0.0459	0.367	1	(60207-90-1))	-	0.0459	0.367	0.4	Arkansas MMJ testing
Daminozide (1596-84-5)	-	0.0459	0.367	1	Propoxur (114-26-1)	-	0.0459	0.367	0.2	guidelines.
DDVP (62-73-7)	-	0.0459	0.367	0.1	Pyrethrins (8003-34-7)	-	0.0459	0.367	1	A value of "-" for the action level
Diazinon (333-41-5)	-	0.0459	0.367	0.2	Pyridaben (96489-71-3)	-	0.0459	0.367	0.2	means that analyte is not currently regulated by the
Dimethoate (60-51-5)	-	0.0459	0.367	0.2	Spinosad (168316-95-8)	-	0.0459	0.367	0.2	regulations referenced above.
Ethoprophos (13194-48-4)	-	0.0459	0.367	0.2	Spiromesifen (283594-90-1)	-	0.0459	0.367	0.2	
Etofenprox (80844-07-1)	-	0.0459	0.367	0.4	Spirotetramat					<i>Disclaimer:</i> This information is provided as a service and makes
Etoxazole (153233-91-1)	-	0.0459	0.367	0.2	(203313-25-1)	-	0.0459	0.367	0.2	no claims of efficacy and/or safety
Fenoxycarb (72490-01-8)	-	0.0459	0.367	0.2	Spiroxamine		0.0459	0.367	0.4	of this product. Results are applicable only for the sample(s)
(E)-Fenpyroximate (134098-61-6)	-	0.0459	0.367	0.4	(118134-30-8) Tebuconazole	-	0.0439	0.367	0.4	analyzed and for the specific analysis conducted. This report is
Fipronil (120068-37-3)	-	0.0459	0.367	0.4	(80443-41-0)	-	0.0459	0.307	0.4	for informational purposes only
Flonicamid (158062-67-0)	-	0.0459	0.367	1	Thiacloprid	_	0.0459	0.367	0.2	and should not be used to diagnose, treat, or prevent any
Fludioxinil (131341-86-1)	-	0.0459	0.367	0.4	(111988-49-9)					medical-related symptoms. The
Hexythiazox (78587-05-0)	-	0.0459	0.367	1	Thiamethoxam (153719-23-4)	-	0.0459	0.367	0.2	statements and results herein have
Imazalil (35554-44-0)	-	0.0459	0.367	0.2	Trifloxystrobin				0 -	not been approved and/or endorsed by the FDA.
Imidacloprid (138261-41-3)	-	0.0459	0.367	0.4	(141517-21-7)	-	0.0459	0.367	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

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



REPORT OF LABORATORY ANALYSIS

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







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

Analysis Date/Time: 04/29/2025 1720			Method: ICP/MS Instrument: Agilent 7700x		Deviations from SOP: None
Analyst: KF				5	
<u>Heavy Metal</u>	<u>Result</u> (ppb)	<u>LOD</u> (ppb)	<u>LOQ</u> (ppb)	<u>Action Level</u> (ppb)	Call and a second
Arsenic (As)	ND	58.9	93.3	200	TRACE
Cadmium (Cd)	ND	58.9	93.3	200	
Lead (Pb)	ND	58.9	93.3	500	A CARLEN THE STORE
Mercury (Hg)	ND	58.9	93.3	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. rv Dir

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MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 04/29/20 Analyst: PW		ethod: Hardy Diagnostics CompactDry etrument: Thermo Incubator	Deviations from SOP: None
<u>Bacteria/Microbe</u>	<u>Result</u> (CFU/g)	<u>Action Level</u> (CFU/g)	
Aerobic Plate Count	NT	-	Training and the
Coliforms, Total	Absent	1	
Escherichia Coli (E. Coli)	Absent	100	
Mold/Yeast	NT	-	CE AL PROPERTY
Pseudomonas aeruginosa	NT	-	
Salmonella spp.	NT	-	AND A CHER
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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