





SUMMARY OF ANALYSIS (SAMPLE ID: SA40774)

Testing Location:	Customer ID: 2161	Order ID: OR11544	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13138936760	Mass: 6g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 04/10/2025
License: ADH 113	License: 00065C	6090H20250210LOP-5	Date Received: 04/10/2025
Cultivar (Strain) or Sample I	Date Completed: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 (%)	Water Activity (aw)	PASS/FAIL
9.80	0.347 @ 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>	mg/g
TI	ICA	30.5	305
Δ9-	THC	1.34	13.4
CH	3GA	0.751	7.51
TOTA	AL CBD	0.000	0.000
TOTA	AL THC	28.0	280
TOTAL CAN	NABINOIDS	32.8	328
Terpen	<u>es (Top 5)</u>	<u>(%)</u>	<u>ppm</u>
d-Lir	nonene	0.629	6290
Lin	alool	0.536	5360
0.0	nphyllopo	0.426	4260
β-Caryo	phymene	0.420	4200
	yrcene	0.318	3180
β-Μ			
β-Μ <u>΄</u> α-Hu	yrcene	0.318	3180

PASS	
PASS	
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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Cultivar (Strain) or Sample Desc		Date Completed:04/14/2025	

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

Analysis Date/Time: 04/11/2025 1518 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/ <u>mL)</u>	<u>Per</u> Serving (mg)	<u>Per</u> <u>Unit</u> (mg)
CBC	ND	ND	0.0432	0.101	-	0.000	0.000
CBCA	ND	ND	0.134	0.313	-	0.000	0.000
CBD	ND	ND	0.305	0.712	-	0.000	0.000
CBDA	DET	DET	0.112	0.262	-	0.000	0.000
CBDV	ND	ND	0.0489	0.114	-	0.000	0.000
CBDVA	ND	ND	0.130	0.305	-	0.000	0.000
CBG	0.0942	0.942	0.198	0.462	-	0.850	0.850
CBGA	0.751	7.51	0.281	0.331	-	6.77	6.77
CBL	ND	ND	0.229	0.534	-	0.000	0.000
CBN	ND	ND	0.105	0.245	-	0.000	0.000
CBNA	ND	ND	0.113	0.264	-	0.000	0.000
Δ9-ΤΗC	1.34	13.4	0.126	0.294	-	12.1	12.1
$\Delta 8$ -THC	ND	ND	0.196	0.458	-	0.000	0.000
THCA	30.5	305	0.0683	0.160	-	275	275
THCV	ND	ND	0.164	0.382	-	0.000	0.000
THCVA	0.140	1.40	0.0523	0.122	-	1.26	1.26
TOTAL	32.8	328				296	296
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	0.753	7.53			-	6.79	6.79
TOTAL CBN	0.000	0.000			-	0.000	0.000
TOTAL THC	28.0	280			-	253	253
TOTAL THCV	0.121	1.21			-	1.09	1.09

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):** 0.347 @ 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) + 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.

W. Felling, Ph.D

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





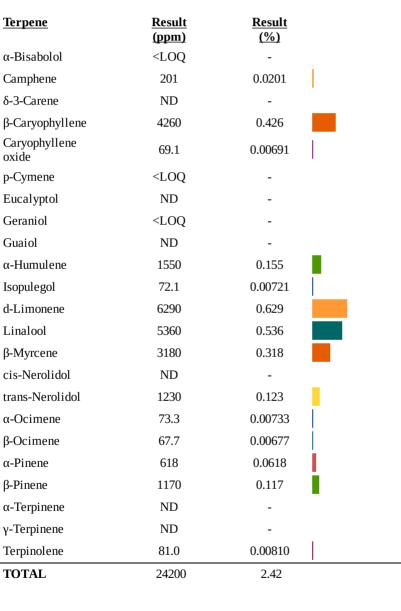


Order ID: OR11544 **Testing Location:** Customer ID: 2161 Sample Type: Primary Arkansas **River Valley Relief Cultivation** Lot Number: Matrix: Flower 232 S. Broadview St. 5601 Old Greenwood Rd Suite C M00065C13138936760 Mass: 6g Greenbrier, AR 72058 Fort Smith, AR 72903 **Production Run:** Date Collected: 04/10/2025 6090H20250210LOP-5 License: ADH 113 License: 00065C Date Received: 04/10/2025 Date Completed:04/14/2025 Cultivar (Strain) or Sample Description: Lollipop

Analysis Date/Time:04/11/2025 1625 Analyst: KF

TERPENOID PROFILE
Method: GC/MS
Instrument: Agilent 7890/5975

Deviations from SOP: None





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): 47.4

"-" Not detected above LOD.









Deviations from SOP:

None



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA40774)

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License: ADH 113	License: 00065C	6090H20250210LOP-5	Date Received: 04/10/2025
Cultivar (Strain) or Sample I	Date Completed:04/14/2025		

Analysis Date/Time: 04/11/2025 1533 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)	a 500
Abamectin (71751-41-2)	-	0.0471	0.377	0.5	Kresoxim-methyl	_	0.0471	0.377	0.4	
Acephate (30560-19-1)	-	0.0471	0.377	0.4	(143390-89-0)					2 State
Acequinocyl (57960-19-7)	-	0.0471	0.377	2	Malathion (121-75-5)	-	0.0471	0.377	0.2	
Acetamiprid	_	0.0471	0.377	0.2	Metalaxyl (57837-19-1)	-	0.0471	0.377	0.2	Color Key
(135410-20-7) Aldicarb (116-06-3)		0.0471	0.377	0.4	Methiocarb (2032-65-7)	-	0.0471 0.0471	0.377 0.377	0.2	
Alucarb (110-00-3)	-	0.0471	0.377		Methomyl (16752-77-5) Methyl parathion	-	0.04/1	0.377	0.4	RESULT < AL
(131860-33-8)	-	0.0471	0.377	0.2	(298-0-0)	-	0.0471	0.377	0.2	RESULT > AL
Bifenazate (149877-41-8)	-	0.0471	0.377	0.2	MGK 264 (113-48-4)	-	0.0471	0.377	0.2	"DET" detected less than LOQ
Bifenthrin (82657-04-3)	-	0.0471	0.377	0.2	Myclobutanil	_	0.0471	0.377	0.2	"-" not detected above
Boscalid (188425-85-6)	-	0.0471	0.377	0.4	(88671-89-0)					LOD
Carbaryl (63-25-2)	-	0.0471	0.377	0.2	Naled (300-76-5)	-	0.0471	0.377	0.5	Permethrins measured as the
Carbofuran (1563-66-2)	-	0.0471	0.377	0.2	Oxamyl (23135-22-0)	-	0.0471	0.377	1	cumulative residue of the <i>cis</i> - and
Chlorantraniliprole (800008-45-7)	-	0.0471	0.377	0.2	Paclobutrazol (76738-62-0)	-	0.0471	0.377	0.4	trans- permethrin isomers.
Chlorfenapyr		0.0474	0.055		Permethrins (52645-53-1)	-	0.0471	0.377	0.2	Pyrethrins measured as the
(122453-73-0)		0.0471	0.377	1	Phosmet (732-11-6)	-	0.0471	0.377	0.2	cumulative residue of the pyrethrin I, cinerin I, and jasmolin
Chlorpyrifos (2921-88-2)	-	0.0471	0.377	0.2	Piperonyl butoxide	_	0.0471	0.377	2	I isomers.
Clofentezine (74115-24-5)	-	0.0471	0.377	0.2	(51-03-6)					Action levels are
Cyfluthrin (68359-37-5)	-	0.0471	0.377	1	Prallethrins (2331-36-9)	-	0.0471	0.377	0.2	referenced from the State of
Cypermethrin (52315-07-8)	-	0.0471	0.377	1	Propiconazole (60207-90-1))	-	0.0471	0.377	0.4	Arkansas MMJ testing
Daminozide (1596-84-5)	-	0.0471	0.377	1	Propoxur (114-26-1)	-	0.0471	0.377	0.2	guidelines.
DDVP (62-73-7)	-	0.0471	0.377	0.1	Pyrethrins (8003-34-7)	-	0.0471	0.377	1	A value of "-" for the action level
Diazinon (333-41-5)	-	0.0471	0.377	0.2	Pyridaben (96489-71-3)	-	0.0471	0.377	0.2	means that analyte is not
Dimethoate (60-51-5)	-	0.0471	0.377	0.2	Spinosad (168316-95-8)	-	0.0471	0.377	0.2	currently regulated by the regulations referenced above.
Ethoprophos (13194-48-4)	-	0.0471	0.377	0.2	Spiromesifen (283594-90-1)	-	0.0471	0.377	0.2	5
Etofenprox (80844-07-1)	-	0.0471	0.377	0.4	Spirotetramat					Disclaimer: This information is provided as a service and makes
Etoxazole (153233-91-1)	-	0.0471	0.377	0.2	(203313-25-1)	-	0.0471	0.377	0.2	no claims of efficacy and/or safety
Fenoxycarb (72490-01-8)	-	0.0471	0.377	0.2	Spiroxamine		0.0471	0.377	0.4	of this product. Results are applicable only for the sample(s)
(E)-Fenpyroximate (134098-61-6)	-	0.0471	0.377	0.4	(118134-30-8) Tebuconazole	-				analyzed and for the specific analysis conducted. This report is
Fipronil (120068-37-3)	-	0.0471	0.377	0.4	(80443-41-0)	-	0.0471	0.377	0.4	for informational purposes only
Flonicamid (158062-67-0)	-	0.0471	0.377	1	Thiacloprid	_	0.0471	0.377	0.2	and should not be used to diagnose, treat, or prevent any
Fludioxinil (131341-86-1)	-	0.0471	0.377	0.4	(111988-49-9)					medical-related symptoms. The
Hexythiazox (78587-05-0)	-	0.0471	0.377	1	Thiamethoxam (153719-23-4)	-	0.0471	0.377	0.2	statements and results herein have
Imazalil (35554-44-0)	-	0.0471	0.377	0.2	Trifloxystrobin			a a —	A -	not been approved and/or endorsed by the FDA.
Imidacloprid (138261-41-3)	-	0.0471	0.377	0.4	(141517-21-7)	-	0.0471	0.377	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

Pesticide	<u>Synonym(s)</u>	Pesticide	<u>Synonym(s)</u>	Pesticide	<u>Synonym(s)</u>
Cyfluthrin	Baythroid	Myclobutanil	Systhane	Propiconazole	Tilt
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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HEAVY METAL PROFILE (SOP: SOP-ICP-200.6)

Analysis Date/Time: 04/11/2025 1627			Method: I Instrumer	CP/MS nt: Agilent 7700x	Deviations from SOP: None	
Analyst: KF				C		
<u>Heavy Metal</u>	<u>Result</u> (ppb)	<u>LOD</u> (ppb)	<u>LOQ</u> (ppb)	<u>Action Level</u> (ppb)		
Arsenic (As)	ND	58.9	93.2	200	AMAG	
Cadmium (Cd)	ND	58.9	93.2	200		
Lead (Pb)	ND	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

A AND THE TY

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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Cultivar (Strain) or Sample	Date Completed:04/14/2025		

MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 04/11/2025 Analyst: PW		hod: Hardy Diagnostics CompactDry r ument: 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	-	A THINKE
Coliforms, Total	Absent	1	
Escherichia Coli (E. Coli)	Absent	100	
Mold/Yeast	NT	-	The second s
Pseudomonas aeruginosa	NT	-	
Salmonella spp.	NT	-	
Staphylococcus aureus	NT		NY NY

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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