







SUMMARY OF ANALYSIS (SAMPLE ID: SA40546)

Testing Location:	Customer ID: 2161	Order ID: OR11499	Sample Type: Primary		
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower		
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13131791315	Mass: 16g		
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 03/20/2025		
License: ADH 113	License: 00065C	5089H20250129HSP-3	Date Received: 03/20/2025		
Cultivar (Strain) or Sample Description: Halloween SpecialDate Completed:03/24/2023					

*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.

Moisture Content (%)	Water Activity (aw)	PASS/FAIL
11.1	0.385 @ 24.2°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.

<u>Cannabinoids (Top 3)</u>	<u>(%)</u>	<u>mg/g</u>
THCA	25.3	253
Δ9-ΤΗϹ	2.58	25.8
CBGA	0.403	4.03
TOTAL CBD	0.000	0.000
TOTAL THC	24.7	247
TOTAL CANNABINOIDS	28.8	288
<u>Terpenes (Top 5)</u>	<u>(%)</u>	<u>µg/g</u>
<u>Terpenes (Top 5)</u> d-Limonene	<u>(%)</u> 0.983	<mark>µg/g</mark> 9830
d-Limonene	0.983	9830
d-Limonene Linalool	0.983 0.630	9830 6300
d-Limonene Linalool β-Caryophyllene	0.983 0.630 0.569	9830 6300 5690

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





Scan the QR code to verify results.

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REPORT OF LABORATORY ANALYSIS

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Analyzed on behalf of:



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA40546)

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

Analysis Date/Time: 03/21/2025 1200 Analyst: PW Method: HPLC/DAD Instrument: Agilent 1100

<u>Cannabinoid</u>	<u>Result</u> (%)	<u>Result</u> (mg/g)	LOD (mg/g)	LOQ (mg/g)	<u>Result</u> (mg/ mL)	<u>Per</u> Serving (mg)	<u>Per</u> <u>Unit</u> (mg)
CBC	ND	ND	0.0422	0.0985	-	0.000	0.000
CBCA	ND	ND	0.131	0.306	-	0.000	0.000
CBD	ND	ND	0.298	0.695	-	0.000	0.000
CBDA	DET	DET	0.110	0.256	-	0.000	0.000
CBDV	ND	ND	0.0478	0.111	-	0.000	0.000
CBDVA	ND	ND	0.127	0.297	-	0.000	0.000
CBG	0.153	1.53	0.193	0.452	-	1.36	1.36
CBGA	0.403	4.03	0.274	0.323	-	3.58	3.58
CBL	0.240	2.40	0.223	0.522	-	2.13	2.13
CBN	ND	ND	0.103	0.240	-	0.000	0.000
CBNA	ND	ND	0.111	0.258	-	0.000	0.000
Δ9-ΤΗC	2.58	25.8	0.123	0.287	-	22.9	22.9
$\Delta 8$ -THC	ND	ND	0.192	0.448	-	0.000	0.000
THCA	25.3	253	0.0667	0.156	-	225	225
THCV	ND	ND	0.160	0.373	-	0.000	0.000
THCVA	0.0783	0.783	0.0511	0.119	-	0.696	0.696
TOTAL	28.8	288			-	256	256
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	0.506	5.06			-	4.50	4.50
TOTAL CBN	0.000	0.000			-	0.000	0.000
TOTAL THC	24.7	247			-	220	220
TOTAL THCV	0.0678	0.678			-	0.603	0.603

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 (%): 11.1 **Water Activity (aw):** 0.385 @ 24.2°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.

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.

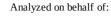




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CERTIFICATE OF ANALYSIS (SAMPLE ID: SA40546)

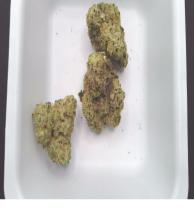
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License: ADH 113	License: 00065C	5089H20250129HSP-3	Date Received: 03/20/2025	
Cultivar (Strain) or Sample I	Description: Halloween Special		Date Completed:03/24/2025	

Analysis Date/Time:03/21/2025 1154 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> (µg/g)	<u>Result</u> (%)				
α-Bisabolol	597	0.0597				
Camphene	285	0.0285				
δ-3-Carene	ND	-				
β-Caryophyllene	5690	0.569				
Caryophyllene oxide	48.0	0.00480				
p-Cymene	<loq< td=""><td>-</td><td></td></loq<>	-				
Eucalyptol	ND	-				
Geraniol	102	0.0102				
Guaiol	<loq< td=""><td>-</td><td></td></loq<>	-				
α-Humulene	2190	0.219	A C			
Isopulegol	ND	-	S			
d-Limonene	9830	0.983	A L			
Linalool	6300	0.630	0			
β-Myrcene	3120	0.312	T			
cis-Nerolidol	ND	-	Si			
trans-Nerolidol	1790	0.179	R			
α-Ocimene	112	0.0112	a			
β-Ocimene	325	0.0325	Т			
α-Pinene	1600	0.160	o tr			
β-Pinene	1950	0.195	n			
α-Terpinene	ND	-	T			
γ-Terpinene	ND	-	n tľ			
Terpinolene	123	0.0123				
TOTAL	34100	3.41				



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 (µg/g): 46.3

"-" Not detected above LOD.











Deviations from SOP:

None



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Cultivar (Strain) or Sample D	Description: Halloween Special		Date Completed:03/24/2025

Analysis Date/Time: 03/21/2025 1229 Analyst: KF

PESTICIDES PROFILE (SOP: SOP-PEST-001)

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

5										
<u>Pesticide</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> Level (µg/g)	<u>Pesticide</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> Level (µg/g)	
Abamectin (71751-41-2)	-	0.0460	0.368	0.5	Kresoxim-methyl	_	0.0460	0.368	0.4	
Acephate (30560-19-1)	-	0.0460	0.368	0.4	(143390-89-0)					
Acequinocyl (57960-19-7)	-	0.0460	0.368	2	Malathion (121-75-5)	-	0.0460	0.368	0.2	
Acetamiprid	_	0.0460	0.368	0.2	Metalaxyl (57837-19-1)	-	0.0460	0.368	0.2	Color Key
(135410-20-7)					Methiocarb (2032-65-7)	-	0.0460	0.368	0.2	<u>Color Rey</u>
Aldicarb (116-06-3)	-	0.0460	0.368	0.4	Methomyl (16752-77-5)	-	0.0460	0.368	0.4	RESULT < AL
Azoxystrobin (131860-33-8)	-	0.0460	0.368	0.2	Methyl parathion (298-0-0)	-	0.0460	0.368	0.2	RESULT > AL
Bifenazate (149877-41-8)	-	0.0460	0.368	0.2	MGK 264 (113-48-4)	-	0.0460	0.368	0.2	"DET" detected less than LOQ
Bifenthrin (82657-04-3)	-	0.0460	0.368	0.2	Myclobutanil	_	0.0460	0.368	0.2	"-" not detected above
Boscalid (188425-85-6)	-	0.0460	0.368	0.4	(88671-89-0)					LOD
Carbaryl (63-25-2)	-	0.0460	0.368	0.2	Naled (300-76-5)	-	0.0460	0.368	0.5	Permethrins measured as the
Carbofuran (1563-66-2)	-	0.0460	0.368	0.2	Oxamyl (23135-22-0)	-	0.0460	0.368	1	cumulative residue of the cis- and
Chlorantraniliprole (800008-45-7)	-	0.0460	0.368	0.2	Paclobutrazol (76738-62-0)	-	0.0460	0.368	0.4	trans- permethrin isomers.
Chlorfenapyr		0.0460	0.368	1	Permethrins (52645-53-1)	-	0.0460	0.368	0.2	Pyrethrins measured as the cumulative residue of the
(122453-73-0)	-				Phosmet (732-11-6)	-	0.0460	0.368	0.2	pyrethrin I, cinerin I, and jasmolin
Chlorpyrifos (2921-88-2)	-	0.0460	0.368	0.2	Piperonyl butoxide		0.0460	0.368	2	I isomers.
Clofentezine (74115-24-5)	-	0.0460	0.368	0.2	(51-03-6) Prallethrins (2331-36-9)		0.0460	0.368	0.2	Action levels are
Cyfluthrin (68359-37-5)	-	0.0460	0.368	1	Propiconazole		0.0460	0.300	0.2	referenced from the State of
Cypermethrin (52315-07-8)	-	0.0460	0.368	1	(60207-90-1))	-	0.0460	0.368	0.4	Arkansas MMJ testing
Daminozide (1596-84-5)	-	0.0460	0.368	1	Propoxur (114-26-1)	-	0.0460	0.368	0.2	guidelines.
DDVP (62-73-7)	-	0.0460	0.368	0.1	Pyrethrins (8003-34-7)	-	0.0460	0.368	1	A value of "-" for the action level
Diazinon (333-41-5)	-	0.0460	0.368	0.2	Pyridaben (96489-71-3)	-	0.0460	0.368	0.2	means that analyte is not currently regulated by the
Dimethoate (60-51-5)	-	0.0460	0.368	0.2	Spinosad (168316-95-8)	-	0.0460	0.368	0.2	regulations referenced above.
Ethoprophos (13194-48-4)	-	0.0460	0.368	0.2	Spiromesifen (283594-90-1)	-	0.0460	0.368	0.2	
Etofenprox (80844-07-1)	-	0.0460	0.368	0.4	(200004-00-1) Spirotetramat					Disclaimer: This information is provided as a service and makes
Etoxazole (153233-91-1)	-	0.0460	0.368	0.2	(203313-25-1)	-	0.0460	0.368	0.2	no claims of efficacy and/or safety
Fenoxycarb (72490-01-8)	-	0.0460	0.368	0.2	Spiroxamine	_	0.0460	0.368	0.4	of this product. Results are applicable only for the sample(s)
(E)-Fenpyroximate (134098-61-6)	-	0.0460	0.368	0.4	(118134-30-8) Tebuconazole					analyzed and for the specific analysis conducted. This report is
Fipronil (120068-37-3)	-	0.0460	0.368	0.4	(80443-41-0)	-	0.0460	0.368	0.4	for informational purposes only
Flonicamid (158062-67-0)	-	0.0460	0.368	1	Thiacloprid	_	0.0460	0.368	0.2	and should not be used to diagnose, treat, or prevent any
Fludioxinil (131341-86-1)	-	0.0460	0.368	0.4	(111988-49-9)					medical-related symptoms. The
Hexythiazox (78587-05-0)	-	0.0460	0.368	1	Thiamethoxam (153719-23-4)	-	0.0460	0.368	0.2	statements and results herein have
Imazalil (35554-44-0)	-	0.0460	0.368	0.2	Trifloxystrobin					not been approved and/or endorsed by the FDA.
Imidacloprid (138261-41-3)	-	0.0460	0.368	0.4	(141517-21-7)	-	0.0460	0.368	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	Synonym(s)	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		



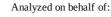
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Cultivar (Strain) or Sample Des	Date Completed:03/24/2025		

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

Analysis Date/Time: 03/21/2025 1227 Method: ICP/MS **Deviations from SOP:** Instrument: Agilent 7700x None Analyst: KF **Heavy Metal** Result LOD LOQ Action Level (µg/kg) $(\mu g/kg)$ (µg/kg) $(\mu g/kg)$ 59.2 93.8 200 Arsenic (As) Cadmium (Cd) 59.2 93.8 200 Lead (Pb) ND 59.2 93.8 500 Mercury (Hg) 59.2 93.8 100

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.

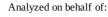
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W. Felling, Ph.D. ry Dire











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Cultivar (Strain) or Sample D	Date Completed:03/24/2025		

MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 03/21/20 Analyst: PW		Hardy Diagnostics Compact ent: Thermo Incubator	Dry Deviations from SOP: None
Bacteria/Microbe	<u>Result</u> (CFU/g)	<u>Action Level</u> (<u>CFU/g)</u>	
Aerobic Plate Count	NT	-	
Coliforms, Total	Absent	1	
Escherichia Coli (E. Coli)	Absent	100	
Mold/Yeast	NT	-	
Pseudomonas aeruginosa	NT	-	6
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





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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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