

SUMMARY OF ANALYSIS (SAMPLE ID: SA42997)

Testing Location: Arkansas 232 S. Broadview St. Greenbrier, AR 72058 License: ADH 113	Customer ID: 2161 River Valley Relief Cultivation 5601 Old Greenwood Rd Suite C Fort Smith, AR 72903 License: 00065C	Order ID: OR11958 Lot Number: M00065C13135458375 Production Run: 6118H20251208HSP-2	Sample Type: Primary Matrix: Flower/Trim Mass: 23g Date Collected: 01/05/2026 Date Received: 01/05/2026
Cultivar (Strain) or Sample Description: Halloween Special			Date Completed: 01/07/2026

*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 (%)

14.0

Water Activity (aw)

0.422 @ 24.4°C

PASS/FAIL

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.

Cannabinoids (Top 3)	(%)	mg/g
THCA	24.3	243
Δ9-THC	1.97	19.7
CBGA	0.176	1.76
TOTAL CBD	0.000	0.000
TOTAL THC	23.3	233
TOTAL CANNABINOIDS	26.6	266

Terpenes (Top 5)	(%)	ppm
d-Limonene	0.721	7210
β-Caryophyllene	0.574	5740
Linalool	0.417	4170
β-Myrcene	0.282	2820
α-Humulene	0.169	1690
TOTAL TERPENES	3.07	30700

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



Scan the QR code to verify results.

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



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

Analysis Date/Time: 0/06/2026 1453 **Method:** HPLC/DAD **Moisture Content (%):** 14.0
Analyst: PW **Instrument:** Agilent 1100 **Water Activity (aw):** 0.422 @ 24.4°C

<u>Cannabinoid</u>	<u>Result (%)</u>	<u>Result (mg/g)</u>	<u>LOD (mg/g)</u>	<u>LOQ (mg/g)</u>	<u>Result (mg/mL)</u>	<u>Per Serving (mg)</u>	<u>Per Unit (mg)</u>
CBC	ND	ND	0.0398	0.0930	-	0.000	0.000
CBCA	ND	ND	0.124	0.289	-	0.000	0.000
CBD	ND	ND	0.281	0.656	-	0.000	0.000
CBDA	ND	ND	0.103	0.241	-	0.000	0.000
CBDV	ND	ND	0.0451	0.105	-	0.000	0.000
CBDVA	ND	ND	0.120	0.281	-	0.000	0.000
CBG	0.0756	0.756	0.182	0.426	-	0.650	0.650
CBGA	0.176	1.76	0.259	0.305	-	1.51	1.51
CBL	ND	ND	0.211	0.492	-	0.000	0.000
CBN	ND	ND	0.0968	0.226	-	0.000	0.000
CBNA	ND	ND	0.104	0.244	-	0.000	0.000
Δ9-THC	1.97	19.7	0.116	0.270	-	16.9	16.9
Δ8-THC	ND	ND	0.181	0.422	-	0.000	0.000
THCA	24.3	243	0.0629	0.147	-	209	209
THCV	ND	ND	0.151	0.352	-	0.000	0.000
THCVA	0.0853	0.853	0.0482	0.112	-	0.734	0.734
TOTAL	26.6	266				229	229
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	0.230	2.30				1.98	1.98
TOTAL CBN	0.000	0.000				0.000	0.000
TOTAL THC	23.3	233				200	200
TOTAL THCV	0.0740	0.740				0.636	0.636



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) + Δ9-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.

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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Cultivar (Strain) or Sample Description: Halloween Special			Date Completed: 01/07/2026

TERPENOID PROFILE

Analysis Date/Time: 01/06/2026 2347
Analyst: KF

Method: GC/MS
Instrument: Agilent 7890/5975

Deviations from SOP:
None

Terpene	Result (ppm)	Result (%)	Terpene	Result (ppm)	Result (%)
α-Bisabolol	872	0.0872	d-Limonene	7210	0.721
L-Borneol	ND	-	Linalool	4170	0.417
D-Borneol	130	0.0130	l-Menthone	ND	-
Camphene	198	0.0198	Menthol	67.6	0.00676
Camphor	ND	-	β-Myrcene	2820	0.282
δ-3-Carene	<LOQ	-	Nerol	ND	-
Carvacrol	ND	-	cis-Nerolidol	ND	-
Carvone	ND	-	trans-Nerolidol	683	0.0683
β-Caryophyllene	5740	0.574	Nootkatone	ND	-
Caryophyllene oxide	112	0.0112	cis-β-Ocimene	79.3	0.00793
Cedrene	ND	-	trans-β-Ocimene	200	0.0200
Cedrol	ND	-	Octyl acetate	68.7	0.00687
cis-Citral	ND	-	α-Phellandrene	<LOQ	-
trans-Citral	ND	-	Phytane	49.6	0.00496
Citronellol	ND	-	α-Pinene	1040	0.104
o-Cymene	ND	-	β-Pinene	961	0.0961
m-Cymene	ND	-	Piperitone	ND	-
p-Cymene	ND	-	Pulegone	ND	-
Eucalyptol	ND	-	Sabinene	545	0.0545
trans-β-Farnesene	823	0.0823	Sabinene hydrate	48.3	0.00483
Farnesol 1	119	0.0119	Safranal	ND	-
Farnesol 2	526	0.0526	Squalene	ND	-
Fenchone	71.4	0.00714	Terpinen-4-ol	<LOQ	-
Fenchyl alcohol	899	0.0899	α-Terpinene	<LOQ	-
Geraniol	153	0.0153	γ-Terpinene	<LOQ	-
Geranyl acetate	165	0.0165	α-Terpineol	860	0.0860
Guaiol	ND	-	Terpinolene	102	0.0102
α-Humulene	1690	0.169	α-Thujone	ND	-
Isoborneol	<LOQ	-	Thymol	ND	-
Isobornyl acetate	ND	-	Valencene	119	0.0119
d-Isomenthone	ND	-	d-Valerolactam	ND	-
Isopulegol	122	0.0122	Verbenone	ND	-



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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"-" Not detected above LOD.

TOTAL (ppm) 30700 (%) 3.07 **Reporting Limit (ppm): 43.7**

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Cultivar (Strain) or Sample Description: Halloween Special **Date Completed:** 01/07/2026

PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 01/06/2026 1507
Analyst: KF

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

Deviations from SOP: None

Pesticide	Result (ppm)	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Pesticide	Result (ppm)	LOD (ppm)	LOQ (ppm)	Action Level (ppm)
Abamectin (71751-41-2)	-	0.0436	0.349	0.5	Kresoxim-methyl (143390-89-0)	-	0.0436	0.349	0.4
Acephate (30560-19-1)	-	0.0436	0.349	0.4	Malathion (121-75-5)	-	0.0436	0.349	0.2
Acetaminocyl (57960-19-7)	-	0.0436	0.349	2	Metalaxyl (57837-19-1)	-	0.0436	0.349	0.2
Acetamiprid (135410-20-7)	-	0.0436	0.349	0.2	Methiocarb (2032-65-7)	-	0.0436	0.349	0.2
Aldicarb (116-06-3)	-	0.0436	0.349	0.4	Methomyl (16752-77-5)	-	0.0436	0.349	0.4
Azoxystrobin (131860-33-8)	-	0.0436	0.349	0.2	Methyl parathion (298-0-0)	-	0.0436	0.349	0.2
Bifenazate (149877-41-8)	-	0.0436	0.349	0.2	MGK 264 (113-48-4)	-	0.0436	0.349	0.2
Bifenthrin (82657-04-3)	-	0.0436	0.349	0.2	Myclobutanil (88671-89-0)	-	0.0436	0.349	0.2
Boscalid (188425-85-6)	-	0.0436	0.349	0.4	Naled (300-76-5)	-	0.0436	0.349	0.5
Carbaryl (63-25-2)	-	0.0436	0.349	0.2	Oxamyl (23135-22-0)	-	0.0436	0.349	1
Carbofuran (1563-66-2)	-	0.0436	0.349	0.2	Pacllobutrazol (76738-62-0)	-	0.0436	0.349	0.4
Chlorantraniliprole (800008-45-7)	-	0.0436	0.349	0.2	Permethrins (52645-53-1)	-	0.0436	0.349	0.2
Chlorfenapyr (122453-73-0)	-	0.0436	0.349	1	Phosmet (732-11-6)	-	0.0436	0.349	0.2
Chlorpyrifos (2921-88-2)	-	0.0436	0.349	0.2	Piperonyl butoxide (51-03-6)	-	0.0436	0.349	2
Clofentezine (74115-24-5)	-	0.0436	0.349	0.2	Prallethrins (2331-36-9)	-	0.0436	0.349	0.2
Cyfluthrin (68359-37-5)	-	0.0436	0.349	1	Propiconazole (60207-90-1))	-	0.0436	0.349	0.4
Cypermethrin (52315-07-8)	-	0.0436	0.349	1	Propoxur (114-26-1)	-	0.0436	0.349	0.2
Daminozide (1596-84-5)	-	0.0436	0.349	1	Pyrethrins (8003-34-7)	-	0.0436	0.349	1
DDVP (62-73-7)	-	0.0436	0.349	0.1	Pyridaben (96489-71-3)	-	0.0436	0.349	0.2
Diazinon (333-41-5)	-	0.0436	0.349	0.2	Spinosad (168316-95-8)	-	0.0436	0.349	0.2
Dimethoate (60-51-5)	-	0.0436	0.349	0.2	Spiromesifen (283594-90-1)	-	0.0436	0.349	0.2
Ethoprophos (13194-48-4)	-	0.0436	0.349	0.2	Spirotetramat (203313-25-1)	-	0.0436	0.349	0.2
Etofenprox (80844-07-1)	-	0.0436	0.349	0.4	Spiroxamine (118134-30-8)	-	0.0436	0.349	0.4
Etozazole (153233-91-1)	-	0.0436	0.349	0.2	Tebuconazole (80443-41-0)	-	0.0436	0.349	0.4
Fenoxycarb (72490-01-8)	-	0.0436	0.349	0.2	Thiacloprid (111988-49-9)	-	0.0436	0.349	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0436	0.349	0.4	Thiamethoxam (153719-23-4)	-	0.0436	0.349	0.2
Fipronil (120068-37-3)	-	0.0436	0.349	0.4	Trifloxystrobin (141517-21-7)	-	0.0436	0.349	0.2
Fonicamid (158062-67-0)	-	0.0436	0.349	1					
Fludioxinil (131341-86-1)	-	0.0436	0.349	0.4					
Hexythiazox (78587-05-0)	-	0.0436	0.349	1					
Imazalil (35554-44-0)	-	0.0436	0.349	0.2					
Imidacloprid (138261-41-3)	-	0.0436	0.349	0.4					



Color Key

RESULT < AL
RESULT > AL

"DET" detected less than LOQ
"-." not detected above LOD
Permethrins measured as the cumulative residue of the cis- and trans- permethrin isomers.
Pyrethrins measured as the cumulative residue of the pyrethrin I, cinerin I, and jasmolin I isomers.

Action levels 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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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	Synonym(s)	Pesticide	Synonym(s)
Cyfluthrin	Baythroid	Myclobutanil	Sythane	Propiconazole	Tilt
DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethoprophos	Prophos	Phosmet	Imidan		

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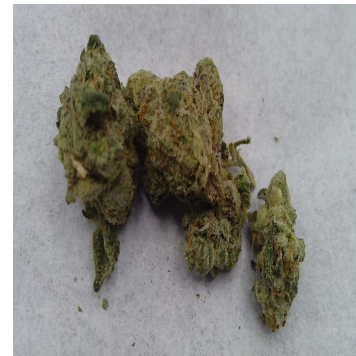
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HEAVY METAL PROFILE (SOP: SOP-ICP-200.6)

Analysis Date/Time: 01/06/2026 1420 **Method:** ICP/MS **Deviations from SOP:** None
Analyst: KF **Instrument:** Agilent 7700x

<u>Heavy Metal</u>	<u>Result (ppb)</u>	<u>LOD (ppb)</u>	<u>LOQ (ppb)</u>	<u>Action Level (ppb)</u>
Arsenic (As)	ND	57.9	91.7	200
Cadmium (Cd)	ND	57.9	91.7	200
Lead (Pb)	ND	57.9	91.7	500
Mercury (Hg)	ND	57.9	91.7	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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MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 01/07/2026 0656 **Method:** Hardy Diagnostics CompactDry **Deviations from SOP:**
Analyst: PW **Instrument:** Thermo Incubator None

Bacteria/Microbe	Result (CFU/g)	Action Level (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

Color Key

RESULT < AL

RESULT > AL

Reporting Limit (CFU/g)
1

Action levels for microbiology are referenced from the State of Arkansas MMJ testing guidelines.
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