

SUMMARY OF ANALYSIS (SAMPLE ID: SA42996)

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: M00065C13134485647 Production Run: 6118H20251208HSP-1	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 (%)

14.4

Water Activity (aw)

0.432 @ 24.6°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	23.6	236
Δ9-THC	1.94	19.4
CBGA	0.172	1.72
TOTAL CBD	0.000	0.000
TOTAL THC	22.7	227
TOTAL CANNABINOIDS	25.7	257

Terpenes (Top 5)	(%)	ppm
d-Limonene	0.630	6300
β-Caryophyllene	0.451	4510
Linalool	0.413	4130
β-Myrcene	0.208	2080
α-Humulene	0.134	1340
TOTAL TERPENES	2.70	27000

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 1440 **Method:** HPLC/DAD **Moisture Content (%):** 14.4
Analyst: PW **Instrument:** Agilent 1100 **Water Activity (aw):** 0.432 @ 24.6°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	0.0421	0.0982	-	0.000	0.000
CBCA	ND	ND	0.131	0.305	-	0.000	0.000
CBD	ND	ND	0.297	0.693	-	0.000	0.000
CBDA	ND	ND	0.109	0.255	-	0.000	0.000
CBDV	ND	ND	0.0476	0.111	-	0.000	0.000
CBDVA	ND	ND	0.127	0.296	-	0.000	0.000
CBG	DET	DET	0.193	0.450	-	0.000	0.000
CBGA	0.172	1.72	0.273	0.322	-	1.47	1.47
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	0.110	0.257	-	0.000	0.000
Δ9-THC	1.94	19.4	0.123	0.286	-	16.6	16.6
Δ8-THC	ND	ND	0.191	0.446	-	0.000	0.000
THCA	23.6	236	0.0664	0.155	-	202	202
THCV	ND	ND	0.159	0.372	-	0.000	0.000
THCVA	DET	DET	0.0509	0.118	-	0.000	0.000
TOTAL	25.7	257				220	220
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	0.151	1.51				1.29	1.29
TOTAL CBN	0.000	0.000				0.000	0.000
TOTAL THC	22.7	227				194	194
TOTAL THCV	0.000	0.000				0.000	0.000



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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TERPENOID PROFILE

Analysis Date/Time: 01/06/2026 2249
Analyst: KF

Method: GC/MS
Instrument: Agilent 7890/5975

Deviations from SOP:
None

Terpene	Result (ppm)	Result (%)	Terpene	Result (ppm)	Result (%)
α-Bisabolol	649	0.0649	d-Limonene	6300	0.630
L-Borneol	ND	-	Linalool	4130	0.413
D-Borneol	134	0.0134	l-Menthone	ND	-
Camphene	184	0.0184	Menthol	69.9	0.00699
Camphor	ND	-	β-Myrcene	2080	0.208
δ-3-Carene	ND	-	Nerol	ND	-
Carvacrol	ND	-	cis-Nerolidol	ND	-
Carvone	ND	-	trans-Nerolidol	718	0.0718
β-Caryophyllene	4510	0.451	Nootkatone	ND	-
Caryophyllene oxide	98.6	0.00986	cis-β-Ocimene	72.0	0.00720
Cedrene	ND	-	trans-β-Ocimene	181	0.0181
Cedrol	ND	-	Octyl acetate	60.4	0.00604
cis-Citral	ND	-	α-Phellandrene	<LOQ	-
trans-Citral	ND	-	Phytane	52.5	0.00525
Citronellol	ND	-	α-Pinene	971	0.0971
o-Cymene	ND	-	β-Pinene	899	0.0899
m-Cymene	ND	-	Piperitone	ND	-
p-Cymene	ND	-	Pulegone	ND	-
Eucalyptol	ND	-	Sabinene	504	0.0504
trans-β-Farnesene	630	0.0630	Sabinene hydrate	49.4	0.00494
Farnesol 1	121	0.0121	Safranal	ND	-
Farnesol 2	642	0.0642	Squalene	110	0.0110
Fenchone	70.6	0.00706	Terpinen-4-ol	<LOQ	-
Fenchyl alcohol	909	0.0909	α-Terpinene	<LOQ	-
Geraniol	154	0.0154	γ-Terpinene	<LOQ	-
Geranyl acetate	176	0.0176	α-Terpineol	860	0.0860
Guaiol	ND	-	Terpinolene	91.7	0.00917
α-Humulene	1340	0.134	α-Thujone	ND	-
Isoborneol	<LOQ	-	Thymol	ND	-
Isobornyl acetate	ND	-	Valencene	109	0.0109
d-Isomenthone	ND	-	d-Valerolactam	ND	-
Isopulegol	124	0.0124	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) 27000 (%) 2.70 **Reporting Limit (ppm):** 46.1

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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 1451
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)	-	0.0459	0.367	0.5	Kresoxim-methyl (143390-89-0)	-	0.0459	0.367	0.4
Acephate (30560-19-1)	-	0.0459	0.367	0.4	Malathion (121-75-5)	-	0.0459	0.367	0.2
Acequinocyl (57960-19-7)	-	0.0459	0.367	2	Metalaxyl (57837-19-1)	-	0.0459	0.367	0.2
Acetamiprid (135410-20-7)	-	0.0459	0.367	0.2	Methiocarb (2032-65-7)	-	0.0459	0.367	0.2
Aldicarb (116-06-3)	-	0.0459	0.367	0.4	Methomyl (16752-77-5)	-	0.0459	0.367	0.4
Azoxystrobin (131860-33-8)	-	0.0459	0.367	0.2	Methyl parathion (298-0-0)	-	0.0459	0.367	0.2
Bifenazate (149877-41-8)	-	0.0459	0.367	0.2	MGK 264 (113-48-4)	-	0.0459	0.367	0.2
Bifenthrin (82657-04-3)	-	0.0459	0.367	0.2	Myclobutanil (88671-89-0)	-	0.0459	0.367	0.2
Boscalid (188425-85-6)	-	0.0459	0.367	0.4	Naled (300-76-5)	-	0.0459	0.367	0.5
Carbaryl (63-25-2)	-	0.0459	0.367	0.2	Oxamyl (23135-22-0)	-	0.0459	0.367	1
Carbofuran (1563-66-2)	-	0.0459	0.367	0.2	Pacllobutrazol (76738-62-0)	-	0.0459	0.367	0.4
Chlorantraniliprole (800008-45-7)	-	0.0459	0.367	0.2	Permethrins (52645-53-1)	-	0.0459	0.367	0.2
Chlorfenapyr (122453-73-0)	-	0.0459	0.367	1	Phosmet (732-11-6)	-	0.0459	0.367	0.2
Chlorpyrifos (2921-88-2)	-	0.0459	0.367	0.2	Piperonyl butoxide (51-03-6)	-	0.0459	0.367	2
Clofentezine (74115-24-5)	-	0.0459	0.367	0.2	Prallethrins (2331-36-9)	-	0.0459	0.367	0.2
Cyfluthrin (68359-37-5)	-	0.0459	0.367	1	Propiconazole (60207-90-1)	-	0.0459	0.367	0.4
Cypermethrin (52315-07-8)	-	0.0459	0.367	1	Propoxur (114-26-1)	-	0.0459	0.367	0.2
Daminozide (1596-84-5)	-	0.0459	0.367	1	Pyrethrins (8003-34-7)	-	0.0459	0.367	1
DDVP (62-73-7)	-	0.0459	0.367	0.1	Pyridaben (96489-71-3)	-	0.0459	0.367	0.2
Diazinon (333-41-5)	-	0.0459	0.367	0.2	Spinosad (168316-95-8)	-	0.0459	0.367	0.2
Dimethoate (60-51-5)	-	0.0459	0.367	0.2	Spiromesifen (283594-90-1)	-	0.0459	0.367	0.2
Ethoprophos (13194-48-4)	-	0.0459	0.367	0.2	Spirotetramat (203313-25-1)	-	0.0459	0.367	0.2
Etofenprox (80844-07-1)	-	0.0459	0.367	0.4	Spiroxamine (118134-30-8)	-	0.0459	0.367	0.4
Etoazolo (153233-91-1)	-	0.0459	0.367	0.2	Tebuconazole (80443-41-0)	-	0.0459	0.367	0.4
Fenoxycarb (72490-01-8)	-	0.0459	0.367	0.2	Thiacloprid (111988-49-9)	-	0.0459	0.367	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0459	0.367	0.4	Thiamethoxam (153719-23-4)	-	0.0459	0.367	0.2
Fipronil (120068-37-3)	-	0.0459	0.367	0.4	Trifloxystrobin (141517-21-7)	-	0.0459	0.367	0.2
Fonicamid (158062-67-0)	-	0.0459	0.367	1					
Fludioxinil (131341-86-1)	-	0.0459	0.367	0.4					
Hexythiazox (78587-05-0)	-	0.0459	0.367	1					
Imazalil (35554-44-0)	-	0.0459	0.367	0.2					
Imidacloprid (138261-41-3)	-	0.0459	0.367	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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HEAVY METAL PROFILE (SOP: SOP-ICP-200.6)

Analysis Date/Time: 01/06/2026 1417 **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	59.0	93.3	200
Cadmium (Cd)	ND	59.0	93.3	200
Lead (Pb)	ND	59.0	93.3	500
Mercury (Hg)	ND	59.0	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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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 (Green background)

RESULT > AL (Red background)

Reporting Limit (CFU/g)
1

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