

SUMMARY OF ANALYSIS (SAMPLE ID: SA44435)

Testing Location:	Customer ID: 2161	Order ID: OR12211	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower/Trim
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13130887866	Mass: 14g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 06/22/2026
License: ADH 113	License: 00065C	2135H20260528MMK-4	Date Received: 06/22/2026
Cultivar (Strain) or Sample Description: Melon Milk			Date Completed: 06/24/2026

*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 (%)

13.4

Water Activity (aw)

0.460 @ 24.5°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	28.1	281
CBGA	1.37	13.7
CBCA	0.461	4.61
TOTAL CBD	0.0348	0.348
TOTAL THC	25.1	251
TOTAL CANNABINOIDS	31.6	316

Terpenes (Top 5)	(%)	ppm
β-Caryophyllene	0.500	5000
d-Limonene	0.459	4590
α-Humulene	0.146	1460
α-Pinene	0.118	1180
trans-β-Ocimene	0.0936	936
TOTAL TERPENES	1.83	18300

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

Sample Picture Upon Receipt



Scan the QR code to verify results.

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



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA44435)

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

Analysis Date/Time: 06/23/2026 1633

Method: HPLC/DAD

Moisture Content (%): 13.4

Analyst: PW

Instrument: Agilent 1100

Water Activity (aw): 0.460 @ 24.5°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	0.0671	0.671	0.0448	0.105	-	0.581	0.581
CBCA	0.461	4.61	0.139	0.325	-	3.99	3.99
CBD	ND	ND	0.316	0.738	-	0.000	0.000
CBDA	0.0396	0.396	0.116	0.272	-	0.343	0.343
CBDV	ND	ND	0.0508	0.118	-	0.000	0.000
CBDVA	ND	ND	0.135	0.316	-	0.000	0.000
CBG	0.208	2.08	0.205	0.480	-	1.80	1.80
CBGA	1.37	13.7	0.291	0.343	-	11.9	11.9
CBL	0.397	3.97	0.237	0.554	-	3.44	3.44
CBN	ND	ND	0.109	0.255	-	0.000	0.000
CBNA	0.186	1.86	0.118	0.274	-	1.61	1.61
Δ9-THC	0.439	4.39	0.131	0.305	-	3.80	3.80
Δ8-THC	0.0903	0.903	0.204	0.476	-	0.782	0.782
THCA	28.1	281	0.0708	0.166	-	243	243
THCV	ND	ND	0.170	0.396	-	0.000	0.000
THCVA	0.263	2.63	0.0543	0.126	-	2.28	2.28
TOTAL	31.6	316			-	274	274
TOTAL CBC	0.471	4.71			-	4.08	4.08
TOTAL CBD	0.0348	0.348			-	0.301	0.301
TOTAL CBDV	0.000	0.000			-	0.000	0.000
TOTAL CBG	1.41	14.1			-	12.2	12.2
TOTAL CBN	0.163	1.63			-	1.41	1.41
TOTAL THC	25.1	251			-	217	217
TOTAL THCV	0.229	2.29			-	1.98	1.98



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: 06/24/2026 0154

Method: GC/MS

Deviations from SOP:

Analyst: KF

Instrument: Agilent 7890/5975

None

<u>Terpene</u>	<u>Result (ppm)</u>	<u>Result (%)</u>	<u>Terpene</u>	<u>Result (ppm)</u>	<u>Result (%)</u>
α-Bisabolol	690	0.0690	d-Limonene	4590	0.459
L-Borneol	ND	-	Linalool	725	0.0725
D-Borneol	78.4	0.00784	l-Menthone	ND	-
Camphene	142	0.0142	Menthol	ND	-
Camphor	ND	-	β-Myrcene	358	0.0358
δ-3-Carene	ND	-	Nerol	ND	-
Carvacrol	ND	-	cis-Nerolidol	ND	-
Carvone	ND	-	trans-Nerolidol	407	0.0407
β-Caryophyllene	5000	0.500	Nootkatone	ND	-
Caryophyllene oxide	109	0.0109	cis-β-Ocimene	60.1	0.00601
Cedrene	ND	-	trans-β-Ocimene	936	0.0936
Cedrol	ND	-	Octyl acetate	ND	-
cis-Citral	ND	-	α-Phellandrene	ND	-
trans-Citral	ND	-	Phytane	ND	-
Citronellol	ND	-	α-Pinene	1180	0.118
o-Cymene	ND	-	β-Pinene	730	0.0730
m-Cymene	ND	-	Piperitone	ND	-
p-Cymene	ND	-	Pulegone	ND	-
Eucalyptol	ND	-	Sabinene	442	0.0442
trans-β-Farnesene	112	0.0112	Sabinene hydrate	ND	-
Farnesol 1	ND	-	Safranal	ND	-
Farnesol 2	ND	-	Squalene	ND	-
Fenchone	ND	-	Terpinen-4-ol	ND	-
Fenchyl alcohol	475	0.0475	α-Terpinene	ND	-
Geraniol	ND	-	γ-Terpinene	ND	-
Geranyl acetate	63.7	0.00637	α-Terpineol	390	0.0390
Guaiol	91.3	0.00913	Terpinolene	59.7	0.00597
α-Humulene	1460	0.146	α-Thujone	ND	-
Isoborneol	ND	-	Thymol	ND	-
Isobornyl acetate	ND	-	Valencene	70.7	0.00707
d-Isomenthone	ND	-	d-Valerolactam	ND	-
Isopulegol	80.0	0.00800	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) 18300 (%) 1.83 **Reporting Limit (ppm):** 49.2

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PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 06/23/2026 1735

Method: LC/MS/MS

Deviations from SOP:

Analyst: KF

Instrument: Shimadzu LC-8050

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)	-	0.0489	0.391	0.5	Kresoxim-methyl (143390-89-0)	-	0.0489	0.391	0.4
Acephate (30560-19-1)	-	0.0489	0.391	0.4	Malathion (121-75-5)	-	0.0489	0.391	0.2
Acetaminophen (57960-19-7)	-	0.0489	0.391	2	Metalaxyl (57837-19-1)	-	0.0489	0.391	0.2
Acetamiprid (135410-20-7)	-	0.0489	0.391	0.2	Methiocarb (2032-65-7)	-	0.0489	0.391	0.2
Aldicarb (116-06-3)	-	0.0489	0.391	0.4	Methomyl (16752-77-5)	-	0.0489	0.391	0.4
Azoxystrobin (131860-33-8)	-	0.0489	0.391	0.2	Methyl parathion (298-0-0)	-	0.0489	0.391	0.2
Bifenazate (149877-41-8)	-	0.0489	0.391	0.2	MGK 264 (113-48-4)	-	0.0489	0.391	0.2
Bifenthrin (82657-04-3)	-	0.0489	0.391	0.2	Myclobutanil (88671-89-0)	-	0.0489	0.391	0.2
Boscalid (188425-85-6)	-	0.0489	0.391	0.4	Naled (300-76-5)	-	0.0489	0.391	0.5
Carbaryl (63-25-2)	-	0.0489	0.391	0.2	Oxamyl (23135-22-0)	-	0.0489	0.391	1
Carbofuran (1563-66-2)	-	0.0489	0.391	0.2	Paclobutrazol (76738-62-0)	-	0.0489	0.391	0.4
Chlorantraniliprole (800008-45-7)	-	0.0489	0.391	0.2	Permethrins (52645-53-1)	-	0.0489	0.391	0.2
Chlorfenapyr (122453-73-0)	-	0.0489	0.391	1	Phosmet (732-11-6)	-	0.0489	0.391	0.2
Chlorpyrifos (2921-88-2)	-	0.0489	0.391	0.2	Piperonyl butoxide (51-03-6)	-	0.0489	0.391	2
Clofentezine (74115-24-5)	-	0.0489	0.391	0.2	Prallethrin (2331-36-9)	-	0.0489	0.391	0.2
Cyfluthrin (68359-37-5)	-	0.0489	0.391	1	Propiconazole (60207-90-1)	-	0.0489	0.391	0.4
Cypermethrin (52315-07-8)	-	0.0489	0.391	1	Propoxur (114-26-1)	-	0.0489	0.391	0.2
Daminozide (1596-84-5)	-	0.0489	0.391	1	Pyrethrins (8003-34-7)	-	0.0489	0.391	1
DDVP (62-73-7)	-	0.0489	0.391	0.1	Pyridaben (96489-71-3)	-	0.0489	0.391	0.2
Diazinon (333-41-5)	-	0.0489	0.391	0.2	Spinosad (168316-95-8)	-	0.0489	0.391	0.2
Dimethoate (60-51-5)	-	0.0489	0.391	0.2	Spiromesifen (283594-90-1)	-	0.0489	0.391	0.2
Ethoprophos (13194-48-4)	-	0.0489	0.391	0.2	Spirotetramat (203313-25-1)	-	0.0489	0.391	0.2
Etofenprox (80844-07-1)	-	0.0489	0.391	0.4	Spiroxamine (118134-30-8)	-	0.0489	0.391	0.4
Etoxazole (153233-91-1)	-	0.0489	0.391	0.2	Tebuconazole (80443-41-0)	-	0.0489	0.391	0.4
Fenoxycarb (72490-01-8)	-	0.0489	0.391	0.2	Thiacloprid (111988-49-9)	-	0.0489	0.391	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0489	0.391	0.4	Thiamethoxam (153719-23-4)	-	0.0489	0.391	0.2
Fipronil (120068-37-3)	-	0.0489	0.391	0.4	Trifloxystrobin (141517-21-7)	-	0.0489	0.391	0.2
Flonicamid (158062-67-0)	-	0.0489	0.391	1					
Fludioxinil (131341-86-1)	-	0.0489	0.391	0.4					
Hexythiazox (78587-05-0)	-	0.0489	0.391	1					
Imazalil (35554-44-0)	-	0.0489	0.391	0.2					
Imidacloprid (138261-41-3)	-	0.0489	0.391	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	Systhane	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: 06/23/2026 1626

Method: ICP/MS

Deviations from SOP:

Instrument: Agilent 7700x

None

Analyst: KF

<u>Heavy Metal</u>	<u>Result (ppb)</u>	<u>LOD (ppb)</u>	<u>LOQ (ppb)</u>	<u>Action Level (ppb)</u>
Arsenic (As)	ND	58.9	93.2	200
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

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: 06/24/2026 0744	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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