

SUMMARY OF ANALYSIS (SAMPLE ID: SA43510)

Testing Location:	Customer ID: 2161	Order ID: OR12059	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower/Trim
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13137810874	Mass: 18g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 03/16/2026
License: ADH 113	License: 00065C	6125H20260210ATS-3	Date Received: 03/17/2026
Cultivar (Strain) or Sample Description: Animal Tsunami			Date Completed: 03/18/2026

*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 (%)

12.7

Water Activity (aw)

0.433 @ 24.6°C

PASS/FAIL

PASS

Moisture content/water activity action levels are referenced from the State of Arkansas MMJ testing guidelines.

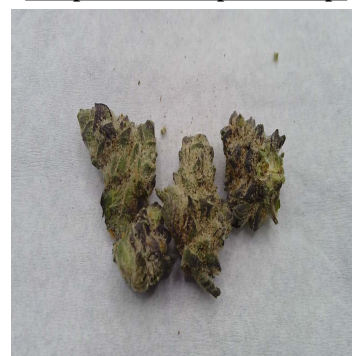
Moisture content levels less than 15% are recommended but the sample does not fail. Water activity levels must be less than 0.65aw.

<u>Cannabinoids (Top 3)</u>	<u>(%)</u>	<u>mg/g</u>
THCA	30.8	308
CBGA	1.32	13.2
Δ9-THC	0.901	9.01
TOTAL CBD	0.0292	0.292
TOTAL THC	27.9	279
TOTAL CANNABINOIDS	34.5	345

<u>Terpenes (Top 5)</u>	<u>(%)</u>	<u>ppm</u>
β-Caryophyllene	0.597	5970
β-Myrcene	0.343	3430
d-Limonene	0.331	3310
α-Humulene	0.172	1720
α-Bisabolol	0.0972	972
TOTAL TERPENES	2.15	21500

<u>Contaminants</u>	<u>PASS/FAIL</u>
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: SA43510)

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

Analysis Date/Time: 03/17/2026 1609 **Method:** HPLC/DAD **Moisture Content (%):** 12.7
Analyst: PW **Instrument:** Agilent 1100 **Water Activity (aw):** 0.433 @ 24.6°C

Cannabinoid	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)	Result (mg/mL)	Per Serving (mg)	Per Unit (mg)
CBC	ND	ND	0.0427	0.0996	-	0.000	0.000
CBCA	0.401	4.01	0.133	0.309	-	3.50	3.50
CBD	ND	ND	0.301	0.703	-	0.000	0.000
CBDV	0.0333	0.333	0.111	0.259	-	0.291	0.291
CBDVA	0.132	1.32	0.0483	0.113	-	1.15	1.15
CBDVA	ND	ND	0.129	0.301	-	0.000	0.000
CBG	0.0723	0.723	0.196	0.457	-	0.631	0.631
CBGA	1.32	13.2	0.277	0.327	-	11.5	11.5
CBL	0.443	4.43	0.226	0.527	-	3.87	3.87
CBN	ND	ND	0.104	0.242	-	0.000	0.000
CBNA	0.0835	0.835	0.112	0.261	-	0.729	0.729
Δ9-THC	0.901	9.01	0.124	0.290	-	7.87	7.87
Δ8-THC	ND	ND	0.194	0.453	-	0.000	0.000
THCA	30.8	308	0.0674	0.158	-	269	269
THCV	ND	ND	0.162	0.377	-	0.000	0.000
THCVA	0.255	2.55	0.0517	0.120	-	2.23	2.23
TOTAL	34.5	345			-	301	301
TOTAL CBC	0.352	3.52			-	3.07	3.07
TOTAL CBD	0.0292	0.292			-	0.255	0.255
TOTAL CBDV	0.132	1.32			-	1.15	1.15
TOTAL CBG	1.23	12.3			-	10.7	10.7
TOTAL CBN	0.0732	0.732			-	0.639	0.639
TOTAL THC	27.9	279			-	244	244
TOTAL THCV	0.221	2.21			-	1.93	1.93



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 = (CBDV 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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 Laboratory Director



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TERPENOID PROFILE

Analysis Date/Time: 03/18/2026 0438

Method: GC/MS

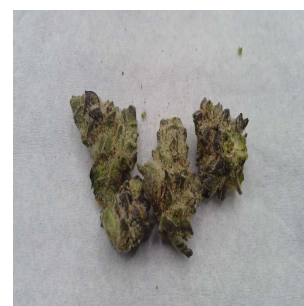
Deviations from SOP:

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	972	0.0972	d-Limonene	3310	0.331
L-Borneol	ND	-	Linalool	498	0.0498
D-Borneol	102	0.0102	l-Menthone	ND	-
Camphene	142	0.0142	Menthol	ND	-
Camphor	ND	-	β-Myrcene	3430	0.343
δ-3-Carene	ND	-	Nerol	ND	-
Carvacrol	ND	-	cis-Nerolidol	ND	-
Carvone	ND	-	trans-Nerolidol	161	0.0161
β-Caryophyllene	5970	0.597	Nootkatone	ND	-
Caryophyllene oxide	145	0.0145	cis-β-Ocimene	ND	-
Cedrene	ND	-	trans-β-Ocimene	243	0.0243
Cedrol	ND	-	Octyl acetate	ND	-
cis-Citral	ND	-	α-Phellandrene	ND	-
trans-Citral	ND	-	Phytane	ND	-
Citronellol	93.7	0.00937	α-Pinene	905	0.0905
o-Cymene	ND	-	β-Pinene	664	0.0664
m-Cymene	ND	-	Piperitone	ND	-
p-Cymene	ND	-	Pulegone	ND	-
Eucalyptol	ND	-	Sabinene	406	0.0406
trans-β-Farnesene	94.7	0.00947	Sabinene hydrate	ND	-
Farnesol 1	103	0.0103	Safranal	ND	-
Farnesol 2	308	0.0308	Squalene	ND	-
Fenchone	ND	-	Terpinen-4-ol	ND	-
Fenchyl alcohol	524	0.0524	α-Terpinene	ND	-
Geraniol	98.0	0.00980	γ-Terpinene	ND	-
Geranyl acetate	72.6	0.00726	α-Terpineol	453	0.0453
Guaiol	772	0.0772	Terpinolene	51.3	0.00513
α-Humulene	1720	0.172	α-Thujone	ND	-
Isoborneol	ND	-	Thymol	67.4	0.00674
Isobornyl acetate	ND	-	Valencene	113	0.0113
d-Isomenthone	ND	-	d-Valerolactam	ND	-
Isopulegol	82.4	0.00824	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) 21500 (%) 2.15 **Reporting Limit (ppm):** 46.8

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Cultivar (Strain) or Sample Description: Animal Tsunami			Date Completed: 03/18/2026

PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 03/17/2026 1657

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)	-	0.0463	0.371	0.5	Kresoxim-methyl (143390-89-0)	-	0.0463	0.371	0.4
Acephate (30560-19-1)	-	0.0463	0.371	0.4	Malathion (121-75-5)	-	0.0463	0.371	0.2
Acetaminophen (57960-19-7)	-	0.0463	0.371	2	Metalaxyl (57837-19-1)	-	0.0463	0.371	0.2
Acetamiprid (135410-20-7)	-	0.0463	0.371	0.2	Methiocarb (2032-65-7)	-	0.0463	0.371	0.2
Aldicarb (116-06-3)	-	0.0463	0.371	0.4	Methomyl (16752-77-5)	-	0.0463	0.371	0.4
Azoxystrobin (131860-33-8)	-	0.0463	0.371	0.2	Methyl parathion (298-0-0)	-	0.0463	0.371	0.2
Bifenazate (149877-41-8)	-	0.0463	0.371	0.2	MGK 264 (113-48-4)	-	0.0463	0.371	0.2
Bifenthrin (82657-04-3)	-	0.0463	0.371	0.2	Myclobutanil (88671-89-0)	-	0.0463	0.371	0.2
Boscalid (188425-85-6)	-	0.0463	0.371	0.4	Naled (300-76-5)	-	0.0463	0.371	0.5
Carbaryl (63-25-2)	-	0.0463	0.371	0.2	Oxamyl (23135-22-0)	-	0.0463	0.371	1
Carbofuran (1563-66-2)	-	0.0463	0.371	0.2	Paclobutrazol (76738-62-0)	-	0.0463	0.371	0.4
Chlorantraniliprole (800008-45-7)	-	0.0463	0.371	0.2	Permethrins (52645-53-1)	-	0.0463	0.371	0.2
Chlorfenapyr (122453-73-0)	-	0.0463	0.371	1	Phosmet (732-11-6)	-	0.0463	0.371	0.2
Chlorpyrifos (2921-88-2)	-	0.0463	0.371	0.2	Piperonyl butoxide (51-03-6)	-	0.0463	0.371	2
Clofentezine (74115-24-5)	-	0.0463	0.371	0.2	Prallethrin (2331-36-9)	-	0.0463	0.371	0.2
Cyfluthrin (68359-37-5)	-	0.0463	0.371	1	Propiconazole (60207-90-1)	-	0.0463	0.371	0.4
Cypermethrin (52315-07-8)	-	0.0463	0.371	1	Propoxur (114-26-1)	-	0.0463	0.371	0.2
Daminozide (1596-84-5)	-	0.0463	0.371	1	Pyrethrins (8003-34-7)	-	0.0463	0.371	1
DDVP (62-73-7)	-	0.0463	0.371	0.1	Pyridaben (96489-71-3)	-	0.0463	0.371	0.2
Diazinon (333-41-5)	-	0.0463	0.371	0.2	Spinosad (168316-95-8)	-	0.0463	0.371	0.2
Dimethoate (60-51-5)	-	0.0463	0.371	0.2	Spiromesifen (283594-90-1)	-	0.0463	0.371	0.2
Ethoprophos (13194-48-4)	-	0.0463	0.371	0.2	Spirotetramat (203313-25-1)	-	0.0463	0.371	0.2
Etofenprox (80844-07-1)	-	0.0463	0.371	0.4	Spiroxamine (118134-30-8)	-	0.0463	0.371	0.4
Etoxazole (153233-91-1)	-	0.0463	0.371	0.2	Tebuconazole (80443-41-0)	-	0.0463	0.371	0.4
Fenoxycarb (72490-01-8)	-	0.0463	0.371	0.2	Thiacloprid (111988-49-9)	-	0.0463	0.371	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0463	0.371	0.4	Thiamethoxam (153719-23-4)	-	0.0463	0.371	0.2
Fipronil (120068-37-3)	-	0.0463	0.371	0.4	Trifloxystrobin (141517-21-7)	-	0.0463	0.371	0.2
Flonicamid (158062-67-0)	-	0.0463	0.371	1					
Fludioxinil (131341-86-1)	-	0.0463	0.371	0.4					
Hexythiazox (78587-05-0)	-	0.0463	0.371	1					
Imazalil (35554-44-0)	-	0.0463	0.371	0.2					
Imidacloprid (138261-41-3)	-	0.0463	0.371	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: 03/17/2026 1601

Method: ICP/MS

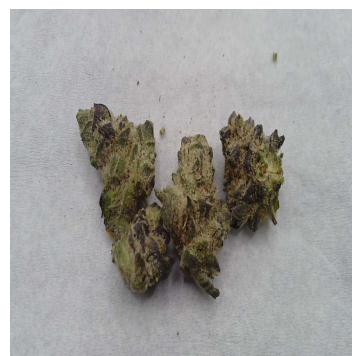
Deviations from SOP:

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: 03/18/2026 0507	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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