F.A.S.T. LABORATORIES/RESEARCH

A2LA ACCREDITED CERTIFICATE #4473.01

Analyzed on behalf of:

RVR RIVER VALLEY RELIEF

SUMMARY OF ANALYSIS (SAMPLE ID: SA45401)

Testing Location:	**Customer ID:** 2168	**Order ID:** OR12388	**Sample Type:** Primary
Arkansas	River Valley Relief MIPS	**Lot Number:**	**Matrix:** Concentrate
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13246408611	**Mass:** 4ea
Greenbrier, AR 72058	Fort Smith, AR 72903	**Production Run:**	**Date Collected:** 10/12/2026
License: ADH 113	License: 00065C	7147e20261012ATLB01	**Date Received:** 10/12/2026

Cultivar (Strain) or Sample Description: Animal Tsunami Hybrid Live Badder 1g Jar — **Date Completed:**10/14/2026

*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 (%)	Water Activity (aw)	PASS/FAIL
Not Tested	Not Tested	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	80.1	801
CBGA	4.69	46.9
CBCA	0.778	7.78
TOTAL CBD	0.000	0.000
TOTAL THC	70.8	708
TOTAL CANNABINOIDS	87.2	872

Terpenes (Top 5)	(%)	ppm
d-Limonene	1.47	14700
β-Myrcene	1.21	12100
β-Caryophyllene	1.00	10000
α-Humulene	0.284	2840
β-Pinene	0.267	2670
TOTAL TERPENES	5.19	51900

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

Sample Picture Upon Receipt



Scan the QR code to verify results.

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Kyle W. Felling, Ph.D.
Laboratory Director

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

Analysis Date/Time: 10/13/2026 1459 — **Method:** HPLC/DAD — **Moisture Content (%):** -

Analyst: PW — **Instrument:** Agilent 1100 — **Water Activity (aw):** -

Cannabinoid	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)	Result (mg/mL)	Per Serving (mg)	Per Unit (mg)
CBC	ND	ND	0.112	0.261	-	0.000	0.000
CBCA	0.778	7.78	0.348	0.812	-	7.78	7.78
CBD	ND	ND	0.790	1.84	-	0.000	0.000
CBDA	DET	DET	0.291	0.679	-	0.000	0.000
CBDV	ND	ND	0.127	0.296	-	0.000	0.000
CBDVA	ND	ND	0.338	0.789	-	0.000	0.000
CBG	ND	ND	0.513	1.20	-	0.000	0.000
CBGA	4.69	46.9	0.727	0.858	-	46.9	46.9
CBL	0.579	5.79	0.592	1.38	-	5.79	5.79
CBN	ND	ND	0.272	0.636	-	0.000	0.000
CBNA	ND	ND	0.294	0.685	-	0.000	0.000
Δ9-THC	0.552	5.52	0.326	0.761	-	5.52	5.52
Δ8-THC	ND	ND	0.509	1.19	-	0.000	0.000
THCA	80.1	801	0.177	0.414	-	801	801
THCV	ND	ND	0.424	0.989	-	0.000	0.000
THCVA	0.512	5.12	0.136	0.315	-	5.12	5.12
TOTAL	87.2	872			-	872	872
TOTAL CBC	0.682	6.82			-	6.82	6.82
TOTAL CBD	0.000	0.000			-	0.000	0.000
TOTAL CBDV	0.000	0.000			-	0.000	0.000
TOTAL CBG	4.12	41.2			-	41.2	41.2
TOTAL CBN	0.000	0.000			-	0.000	0.000
TOTAL THC	70.8	708			-	708	708
TOTAL THCV	0.444	4.44			-	4.44	4.44



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: Animal Tsunami Hybrid Live Badder 1g Jar — **Date Completed:**10/14/2026

TERPENOID PROFILE

Analysis Date/Time:10/13/2026 2019 — **Method:** GC/MS — **Deviations from SOP:**

Analyst: KF — **Instrument:** Agilent 7890/5975 — None

Terpene	Result (ppm)	Result (%)
α-Bisabolol	1310	0.131
Camphene	305	0.0305
δ-3-Carene	ND	-
β-Caryophyllene	10000	1.00
Caryophyllene oxide	116	0.0116
p-Cymene	ND	-
Eucalyptol	ND	-
Geraniol	53.9	0.00539
Guaiol	1470	0.147
α-Humulene	2840	0.284
Isopulegol	ND	-
d-Limonene	14700	1.47
Linalool	1870	0.187
β-Myrcene	12100	1.21
cis-Nerolidol	ND	-
trans-Nerolidol	748	0.0748
cis-β-Ocimene	141	0.0141
trans-β-Ocimene	1070	0.107
α-Pinene	2330	0.233
β-Pinene	2670	0.267
α-Terpinene	ND	-
γ-Terpinene	ND	-
Terpinolene	164	0.0164
TOTAL	(ppm) 51900	(%) 5.19



Abbreviations: GC - Gas Chromatography, MS - Mass Spectrometry, RL - Reporting Limit

Abbreviations: ND - Not Detected, , LOD - Limit of Detection, LOQ - Limit of Quantitation

"-" Not detected above LOD.

Reporting Limit (ppm): 49.1

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RESIDUAL SOLVENT PROFILE (SOP: SOP-RS-001)

Analysis Date/Time: 10/13/2026 1933 — **Method:** HS/GC/MS — **Deviations from SOP:**

Analyst: KF — **Instrument:** Agilent 7890/5975 — None

Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Action Level (ppm)
Acetone (67-64-1)	-	36.7	73.4	5000
Acetonitrile (75-5-8)	-	36.7	73.4	410
Benzene (71-43-2)	-	0.367	0.734	2
n-Butane (106-97-2)	-	36.7	73.4	5000
1-Butanol (71-36-3)	-	36.7	73.4	5000
2-Butanol (78-92-2)	-	36.7	73.4	5000
2-Butanone (78-93-3)	-	36.7	73.4	5000
Cyclohexane (110-82-7)	-	36.7	73.4	3880
1,2-Dimethoxyethane (110-71-4)	-	3.67	7.34	100
N,N-Dimethylacetamide (127-19-5)	-	36.7	73.4	1090
2,2-Dimethylbutane (75-83-2)	-	12.8	25.7	290
2,3-Dimethylbutane (79-29-8)	-	12.8	25.7	290
N,N-Dimethylformamide (68-12-2)	-	36.7	73.4	880
Dimethylsulfoxide (67-68-5)	-	36.7	73.4	5000
1,4-Dioxane (123-91-1)	-	36.7	73.4	380
Ethanol (64-17-5)	-	36.7	73.4	5000
2-Ethoxyethanol (110-80-5)	-	12.8	25.7	160
Ethyl ether (60-29-7)	-	36.7	73.4	5000
Ethyl acetate (141-78-6)	-	36.7	73.4	5000
Ethyl benzene (100-41-4)	-	36.7	73.4	2170
Ethylene glycol (107-21-1)	-	36.7	73.4	620
Ethylene oxide (75-21-8)	-	3.67	7.34	50

Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Action Level (ppm)
n-Heptane (142-82-5)	-	36.7	73.4	5000
n-Hexane (110-54-3)	-	12.8	25.7	290
Isobutane (75-28-5)	-	36.7	73.4	5000
Isopropanol (67-63-0)	-	36.7	73.4	5000
Isopropyl acetate (108-21-4)	-	36.7	73.4	5000
Isopropyl benzene (98-82-8)	-	3.67	7.34	70
Methanol (67-56-1)	-	36.7	73.4	3000
2-Methylbutane (78-78-4)	-	36.7	73.4	5000
Methylene chloride (75-9-2)	-	36.7	73.4	600
2-Methylpentane (107-83-5)	-	12.8	25.7	290
3-Methylpentane (96-10-0)	-	12.8	25.7	290
n-Pentane (109-66-0)	-	36.7	73.4	5000
1-Pentanol (71-41-0)	-	36.7	73.4	5000
n-Propane (74-98-6)	-	36.7	73.4	5000
1-Propanol (71-23-8)	-	36.7	73.4	5000
Pyridine (110-86-1)	-	12.8	25.7	200
Tetrahydrofuran (109-99-9)	-	36.7	73.4	720
Tetramethylene sulfone (126-33-0)	-	12.8	25.7	160
Toluene (108-88-3)	-	36.7	73.4	890
o-Xylene (95-47-6)	-	36.7	73.4	2170
m,p-Xylene (108-38-3 or 106-42-3)	-	36.7	73.4	2170
Xylenes* (1330-20-7)	-	43.3	86.7	2170



Color Key

RESULT < AL

RESULT > AL

"-" not detected above 1/2 Action Level

"*" - o,m,p-Xylene and Ethylbenzene

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.

Solvent	Synonym(s)	Solvent	Synonym(s)
Acetonitrile	Methyl Cyanide, ACN	Ethylene glycol	1,2-Ethanediol
1-Butanol	n-Butanol, Butyl Alcohol	Isobutane	2-Methylpropane
2-Butanol	sec-Butyl alcohol	Isopropanol	2-Propanol, IPA
2-Butanone	Methyl ethyl ketone, MEK	Isopropyl Acetate	Acetic acid isopropyl ester
1,2-Dimethoxyethane	Monoglyme	Methanol	Methyl alcohol
2,3-Dimethylbutane	Neohexane	2-Methylbutane	Isopentane
2,3-Dimethylbutane	Diisopropyl	Methylene chloride	Dichloromethane
N,N-Dimethylformamide	DMF	2-Methylpentane	Isohexane
Dimethysufoxide	DMSO	1-Pentanol	n-Amyl alcohol
2-Ethoxyethanol	Cellosolve, Ethyl glycol	1-Propanol	Propyl alcohol
Ethyl ether	Diethyl ether, Ether	Tetrahydrofuran	THF
Ethyl acetate	EtOAc	Tetramethylene sulfone	Sulfolane
Ethyl benzene	Phenylethane	Xylene	Dimethylbenzene

Abbreviations: HS-Headspace, GC-Gas Chromatography, MS-Mass Spectrometry, RL-Reporting Limit, AL-Action Level, CAS-Chemical Abstract Services, LOD - Limit of Detection, LOQ - Limit of Quantification

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PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 10/13/2026 1541 — **Method:** LC/MS/MS — **Deviations from SOP:**

Analyst: KF — **Instrument:** Shimadzu LC-8050 — None

Pesticide	Result (ppm)	LOD (ppm)	LOQ (ppm)	Action Level (ppm)
Abamectin (71751-41-2)	-	0.0488	0.391	0.5
Acephate (30560-19-1)	-	0.0488	0.391	0.4
Acequinocyl (57960-19-7)	-	0.0488	0.391	2
Acetamiprid (135410-20-7)	-	0.0488	0.391	0.2
Aldicarb (116-06-3)	-	0.0488	0.391	0.4
Azoxystrobin (131860-33-8)	-	0.0488	0.391	0.2
Bifenazate (149877-41-8)	-	0.0488	0.391	0.2
Bifenthrin (82657-04-3)	-	0.0488	0.391	0.2
Boscalid (188425-85-6)	-	0.0488	0.391	0.4
Carbaryl (63-25-2)	-	0.0488	0.391	0.2
Carbofuran (1563-66-2)	-	0.0488	0.391	0.2
Chlorantraniliprole (800008-45-7)	-	0.0488	0.391	0.2
Chlorfenapyr (122453-73-0)	-	0.0488	0.391	1
Chlorpyrifos (2921-88-2)	-	0.0488	0.391	0.2
Clofentezine (74115-24-5)	-	0.0488	0.391	0.2
Cyfluthrin (68359-37-5)	-	0.0488	0.391	1
Cypermethrin (52315-07-8)	-	0.0488	0.391	1
Daminozide (1596-84-5)	-	0.0488	0.391	1
DDVP (62-73-7)	-	0.0488	0.391	0.1
Diazinon (333-41-5)	-	0.0488	0.391	0.2
Dimethoate (60-51-5)	-	0.0488	0.391	0.2
Ethoprophos (13194-48-4)	-	0.0488	0.391	0.2
Etofenprox (80844-07-1)	-	0.0488	0.391	0.4
Etoxazole (153233-91-1)	-	0.0488	0.391	0.2
Fenoxycarb (72490-01-8)	-	0.0488	0.391	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0488	0.391	0.4
Fipronil (120068-37-3)	-	0.0488	0.391	0.4
Flonicamid (158062-67-0)	-	0.0488	0.391	1
Fludioxinil (131341-86-1)	-	0.0488	0.391	0.4
Hexythiazox (78587-05-0)	-	0.0488	0.391	1
Imazalil (35554-44-0)	-	0.0488	0.391	0.2
Imidacloprid (138261-41-3)	-	0.0488	0.391	0.4
Kresoxim-methyl (143390-89-0)	-	0.0488	0.391	0.4
Malathion (121-75-5)	-	0.0488	0.391	0.2
Metalaxyl (57837-19-1)	-	0.0488	0.391	0.2
Methiocarb (2032-65-7)	-	0.0488	0.391	0.2
Methomyl (16752-77-5)	-	0.0488	0.391	0.4
Methyl parathion (298-0-0)	-	0.0488	0.391	0.2
MGK 264 (113-48-4)	-	0.0488	0.391	0.2
Myclobutanil (88671-89-0)	-	0.0488	0.391	0.2
Naled (300-76-5)	-	0.0488	0.391	0.5
Oxamyl (23135-22-0)	-	0.0488	0.391	1
Paclobutrazol (76738-62-0)	-	0.0488	0.391	0.4
Permethrins (52645-53-1)	-	0.0488	0.391	0.2
Phosmet (732-11-6)	-	0.0488	0.391	0.2
Piperonyl butoxide (51-03-6)	-	0.0488	0.391	2
Prallethrins (2331-36-9)	-	0.0488	0.391	0.2
Propiconazole (60207-90-1))	-	0.0488	0.391	0.4
Propoxur (114-26-1)	-	0.0488	0.391	0.2
Pyrethrins (8003-34-7)	-	0.0488	0.391	1
Pyridaben (96489-71-3)	-	0.0488	0.391	0.2
Spinosad (168316-95-8)	-	0.0488	0.391	0.2
Spiromesifen (283594-90-1)	-	0.0488	0.391	0.2
Spirotetramat (203313-25-1)	-	0.0488	0.391	0.2
Spiroxamine (118134-30-8)	-	0.0488	0.391	0.4
Tebuconazole (80443-41-0)	-	0.0488	0.391	0.4
Thiacloprid (111988-49-9)	-	0.0488	0.391	0.2
Thiamethoxam (153719-23-4)	-	0.0488	0.391	0.2
Trifloxystrobin (141517-21-7)	-	0.0488	0.391	0.2



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.

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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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RVR RIVER VALLEY RELIEF

CERTIFICATE OF ANALYSIS (SAMPLE ID: SA45401)

Testing Location:	**Customer ID:** 2168	**Order ID:** OR12388	**Sample Type:** Primary
Arkansas	River Valley Relief MIPS	**Lot Number:**	**Matrix:** Concentrate
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13246408611	**Mass:** 4ea
Greenbrier, AR 72058	Fort Smith, AR 72903	**Production Run:**	**Date Collected:** 10/12/2026
License: ADH 113	License: 00065C	7147e20261012ATLB01	**Date Received:** 10/12/2026

Cultivar (Strain) or Sample Description: Animal Tsunami Hybrid Live Badder 1g Jar — **Date Completed:**10/14/2026

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

Analysis Date/Time: 10/13/2026 1753

Method: ICP/MS

Instrument: Agilent 7700x

Deviations from SOP: None

Analyst: KF

Heavy Metal	Result (ppb)	LOD (ppb)	LOQ (ppb)	Action Level (ppb)
Arsenic (As)	ND	58.8	93.2	200
Cadmium (Cd)	ND	58.8	93.2	200
Lead (Pb)	ND	58.8	93.2	500
Mercury (Hg)	ND	58.8	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.

Disclaimer: This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

Kyle W. Felling, Ph.D.
Laboratory Director

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F.A.S.T. Personnel perform sampling following the Sampling SOP (SOP-02).

F.A.S.T. LABORATORIES/RESEARCH

A2LA ACCREDITED CERTIFICATE #4473.01

Analyzed on behalf of:

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MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 10/14/2026 0436 — **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.
A value of "-" for the action level means that analyte is not currently regulated by the regulations referenced above.

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REPORT OF LABORATORY ANALYSIS

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