



#### SUMMARY OF ANALYSIS (SAMPLE ID: SA38493)

Testing Location:	Customer ID: 2168	Order ID: OR11120	Sample Type: Primary
Arkansas	River Valley Relief MIPS	Lot Number:	Matrix: Edible
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13222830180	Mass: 1ea
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 07/25/2024
License: ADH 113	License: 00065C	P20240725OZA04	Date Received: 07/25/2024
Cultivar (Strain) or Sample Des	<b>Date Completed:</b> 07/29/2024		

\*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.

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.

<u>Cannabinoids (Top 3)</u>	<u>(%)</u>	<u>mg/g</u>
Δ9-ΤΗC	0.199	1.99
THCA	0.00404	0.0404
CBN	0.00261	0.0261
TOTAL CBD	-	-
TOTAL THC	0.202	2.02
TOTAL CANNABINOIDS	0.205	2.05
<u>Terpenes (Top 5)</u>	<u>(%)</u>	hā/ā
d-Limonene	0.0279	279
d-Limonene Linalool		
	0.0279	279
Linalool	0.0279 0.00165	279 16.5
Linalool β-Myrcene	0.0279 0.00165 0.000768	279 16.5 7.68

<b>Contaminants</b>	PASS/FAIL
Heavy Metals:	PASS
Microbiology:	PASS
Pesticides:	PASS
Residual Solvents:	PASS





Scan the QR code to verify results.

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The statements and results herein have not been approved and/or endorsed by the FDA.



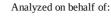
REPORT OF LABORATORY ANALYSIS

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

Analysis Date/Time: 07/26/2024 1712 Analyst: PW Method: HPLC/DAD Instrument: Agilent 1100

<u>Cannabinoid</u>	<u>Result</u> (%)	<u>Result</u> (mg/g)	<u>LOD</u> (mg/g)	LOQ (mg/g)	<u>Result</u> (mg/ mL)	<u>Per</u> Serving (mg)	<u>Per</u> <u>Unit</u> (mg)
CBC	ND	ND	0.00160	0.00374	-	-	-
CBCA	ND	ND	0.00498	0.0116	-	-	-
CBD	ND	ND	0.0113	0.0264	-	-	-
CBDA	ND	ND	0.00416	0.00972	-	-	-
CBDV	ND	ND	0.00181	0.00423	-	-	-
CBDVA	ND	ND	0.00484	0.0113	-	-	-
CBG	ND	ND	0.00734	0.0171	-	-	-
CBGA	ND	ND	0.0104	0.0123	-	-	-
CBL	ND	ND	0.00848	0.0198	-	-	-
CBN	0.00261	0.0261	0.00389	0.00910	-	0.124	1.24
CBNA	ND	ND	0.00420	0.00980	-	-	-
Δ9-ΤΗC	0.199	1.99	0.00467	0.0109	-	9.43	94.3
$\Delta 8$ -THC	ND	ND	0.00728	0.0170	-	-	-
THCA	0.00404	0.0404	0.00253	0.00592	-	0.192	1.92
THCV	ND	ND	0.00607	0.0142	-	-	-
THCVA	ND	ND	0.00194	0.00451	-	-	-
TOTAL	0.205	2.05			-	9.75	97.5
TOTAL CBC	-	-			-	-	-
TOTAL CBD	-	-			-	-	-
TOTAL CBDV	-	-			-	-	-
TOTAL CBG	-	-			-	-	-
TOTAL CBN	0.00261	0.0261			-	0.124	1.24
TOTAL THC	0.202	2.02			-	9.60	96.0
TOTAL THCV	-	-			-	-	-

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, UM - Measurement Uncertainty

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Moisture Content (%): -Water Activity (aw): -



SERVING MASS (g): 4.75 SERVINGS/UNIT: 10

"-" Not detected above LOD.

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.

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) +  $\Delta$ 9-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.

W. Felling, Ph.D. ory Dire











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Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 07/25/2024
License: ADH 113	License: 00065C	P20240725OZA04	Date Received: 07/25/2024
Cultivar (Strain) or Sample I	Date Completed: 07/29/2024		

Analysis Date/Time:07/26/2024 2008
Analyst: KF

### **TERPENOID PROFILE**

Analysis Date/Time:07 Analyst: KF	7/26/2024 2008		ethod: GC/MS strument: Agilent 7890/5975	<b>Deviations from SOP:</b> None
<u>Terpene</u>	<u>Result</u> (µg/g)	<u>Result</u> <u>(%)</u>		
α-Bisabolol	<loq< td=""><td>-</td><td></td><td></td></loq<>	-		
Camphene	ND	-		
δ-3-Carene	ND	-		Wana
β-Caryophyllene	6.32	0.000632		QUICK
Caryophyllene oxide	ND	-		ozark Ozark
p-Cymene	ND	-		A M fast-acting
Eucalyptol	ND	-		FWW NETWIF 15002 (450)
Geraniol	ND	-		
Guaiol	ND	-		Abburgistioner CC Coo
α-Humulene	<loq< td=""><td>-</td><td></td><td><i>Abbreviations:</i> GC - Gas Chromatography, MS - Mass</td></loq<>	-		<i>Abbreviations:</i> GC - Gas Chromatography, MS - Mass
Isopulegol	ND	-		Spectrometry, RL - Reporting Limit
d-Limonene	279	0.0279		Abbreviations: ND - Not Detected, , LOD - Limit of Detection, LOQ - Lim
Linalool	16.5	0.00165		of Quantitation
β-Myrcene	7.68	0.000768		This information is provided as a serv and makes no claims of efficacy and/c
cis-Nerolidol	ND	-		safety of this product.
trans-Nerolidol	ND	-		Results are applicable only for the sample(s) analyzed and for the specifi
α-Ocimene	ND	-		analysis conducted.
β-Ocimene	ND	-		This report is for informational purport only and should not be used to diagno
α-Pinene	7.12	0.000712		treat, or prevent any
β-Pinene	2.95	0.000295		medical-related symptoms.
α-Terpinene	ND	-		The statements and results herein have not been approved and/or endorsed by
γ-Terpinene	ND	-		the FDA.
Terpinolene	ND	-		
TOTAL	319	0.0319		Reporting Limit (µ





MS - Mass - Reporting Limit D - Not Detected, , etection, LOQ - Limit

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informational purposes ot be used to diagnose, ıy

#### eporting Limit (µg/g): 2.88

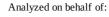
"-" Not detected above LOD.













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License: ADH 113	License: 00065C	P20240725OZA04	Date Received: 07/25/2024
Cultivar (Strain) or Sample Do	Date Completed: 07/29/2024		

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

Analysis Date/Time:	07/26/20	24 0451		ľ	Method: HS/GC/MS			D	eviation	s from SOP:
Analyst: KF				1	nstrument: Agilent 78	90/5975		N	lone	
<u>Solvent</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> Level (µg/g)	<u>Solvent</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> Level (µg/g)	
Acetone (67-64-1)	-	34.5	68.9	5000	n-Heptane (142-82-5)	-	34.5	68.9	5000	
Acetonitrile (75-5-8)	-	34.5	68.9	410	n-Hexane (110-54-3)	-	12.1	24.1	290	Wana
Benzene (71-43-2)	-	0.345	0.689	2	Isobutane (75-28-5)	-	34.5	68.9	5000	LOUX .
n-Butane (106-97-2)	-	34.5	68.9	5000	Isopropanol (67-63-0)	-	34.5	68.9	5000	Sativa
1-Butanol (71-36-3)	-	34.5	68.9	5000	Isopropyl acetate	_	34.5	68.9	5000	
2-Butanol (78-92-2)	-	34.5	68.9	5000	(108-21-4)		34.5	00.5	3000	NET WE LSON HSO
2-Butanone (78-93-3)	-	34.5	68.9	5000	Isopropyl benzene (98-82-8)	-	3.45	6.89	70	
Cyclohexane (110-82-7)	-	34.5	68.9	3880	(38-82-8) Methanol (67-56-1)		34.5	68.9	3000	Color Key
1,2-Dimethoxyethane	_	3.45	6.89	100	2-Methylbutane (78-78-4)		34.5	68.9	5000	
(110-71-4) N,N-Dimethylacetamide		34.5	68.9	1090	Methylene chloride (75-9-2)	-	34.5	68.9	600	RESULT < AL RESULT > AL
(127-19-5) 2,2-Dimethylbutane (75-83-2)	_	12.1	24.1	290	2-Methylpentane (107-83-5)	-	12.1	24.1	290	"DET" detected less than LOQ
2,3-Dimethylbutane					3-Methylpentane (96-10-0)	-	12.1	24.1	290	"-" not detected above
(79-29-8)	-	12.1	24.1	290	n-Pentane (109-66-0)	-	34.5	68.9	5000	LOD
N,N-Dimethylformamide		245	68.9	880	1-Pentanol (71-41-0)	-	34.5	68.9	5000	"*" - o,m,p-Xylene and
(68-12-2)		34.5	00.9	000	n-Propane (74-98-6)	-	34.5	68.9	5000	Ethylbenzene
Dimethylsulfoxide (67-68-5)	-	34.5	68.9	5000	1-Propanol (71-23-8)	-	34.5	68.9	5000	Action levels are
1,4-Dioxane (123-91-1)	-	34.5	68.9	380	Pyridine (110-86-1)	-	12.1	24.1	200	referenced from the State of
Ethanol (64-17-5)	-	34.5	68.9	5000	Tetrahydrofuran (109-99-9)	-	34.5	68.9	720	Arkansas
2-Ethoxyethanol (110-80-5)	-	12.1	24.1	160	Tetramethylene sulfone (126-33-0)	-	12.1	24.1	160	MMJ testing guidelines.
Ethyl ether (60-29-7)	-	34.5	68.9	5000	Toluene (108-88-3)	-	34.5	68.9	890	guidennes.
Ethyl acetate (141-78-6)	DET	34.5	68.9	5000	o-Xylene (95-47-6)	-	34.5	68.9	2170	A value of "-"
Ethyl benzene (100-41-4)	-	34.5	68.9	2170	m,p-Xylene (108-38-3 or			60.0	2170	for the action level
Ethylene glycol (107-21-1)	-	34.5	68.9	620	106-42-3)		34.5	68.9	2170	means that analyte is not currently
Ethylene oxide (75-21-8)	-	3.45	6.89	50	Xylenes* (1330-20-7)	-	43.3	86.7	2170	regulated by the regulations referenced above.
Solvent		Synonym(s			Solvent		ynonym(s)			
Acetonitrile		Methyl Cya			Ethylene glycol		,2-Ethanedio			
1-Butanol		n-Butanol,	-	hol	Isobutane		-Methylpropa			
2-Butanol		sec-Butyl a			Isopropanol		-Propanol, IP.			
2-Butanone		Methyl eth	yl ketone, N	1EK	Isopropyl Acetate		cetic acid iso		r	
1,2-Dimethoxyethane		Monoglym	e		Methanol	Ν	/lethyl alcoho	1		
2,3-Dimethylbutane		Neohexane			2-Methylbutane		sopentane			
2,3-Dimethylbutane		Diisopropy	/l		Methylene chloride		Dichlorometha	ane		
N,N-Dimethylformamide		DMF			2-Methylpentane		sohexane			
Dimethysufoxide		DMSO			1-Pentanol		-Amyl alcoho			
2-Ethoxyethanol		Cellosolve		ol	1-Propanol		ropyl alcohol			
Ethyl ether		Diethyl eth	er, Ether		Tetrahydrofuran		ΉF			
Ethyl acetate		EtOAc			Tetramethylene sulfone		ulfolane			
Ethyl benzene		Phenyletha	ne		Xylene	Γ	Dimethylbenz	ene		

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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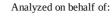
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**Deviations from SOP:** 

None



## **CERTIFICATE OF ANALYSIS (SAMPLE ID: SA38493)**

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Cultivar (Strain) or Sample De	Date Completed: 07/29/2024		

### PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 07/27/2024 0953 Analyst: KF

# Method: LC/MS/MS

Instrument: Shimadzu LC-8050

<u>Pesticide</u>	<u>Result</u> (µg/g)	<u>LOD</u> ( <u>µg/g)</u>	<u>LOQ</u> (µg/g)	<u>Action</u> Level (µg/g)	<u>Pesticide</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> Level (µg/g)	
Abamectin (71751-41-2)	-	0.00693	0.0554	0.5	Kresoxim-methyl	_	0.00693	0.0554	0.4	
Acephate (30560-19-1)	-	0.00693	0.0554	0.4	(143390-89-0)					
Acequinocyl (57960-19-7)	-	0.00693	0.0554	2	Malathion (121-75-5)	-	0.00693	0.0554	0.2	AUM NETWO LINE (10)
Acetamiprid	_	0.00693	0.0554	0.2	Metalaxyl (57837-19-1)	-	0.00693	0.0554	0.2	Color Key
(135410-20-7)					Methiocarb (2032-65-7)	-	0.00693	0.0554	0.2	
Aldicarb (116-06-3)	-	0.00693	0.0554	0.4	Methomyl (16752-77-5)	-	0.00693	0.0554	0.4	RESULT < AL
Azoxystrobin (131860-33-8)	-	0.00693	0.0554	0.2	Methyl parathion (298-0-0)	-	0.00693	0.0554	0.2	RESULT > AL
Bifenazate (149877-41-8)	-	0.00693	0.0554	0.2	MGK 264 (113-48-4)	-	0.00693	0.0554	0.2	"DET" detected less than LOQ
Bifenthrin (82657-04-3)	-	0.00693	0.0554	0.2	Myclobutanil	_	0.00693	0.0554	0.2	"-" not detected above
Boscalid (188425-85-6)	-	0.00693	0.0554	0.4	(88671-89-0)					LOD
Carbaryl (63-25-2)	-	0.00693	0.0554	0.2	Naled (300-76-5)	-	0.00693	0.0554	0.5	Permethrins measured as the
Carbofuran (1563-66-2)	-	0.00693	0.0554	0.2	Oxamyl (23135-22-0)	-	0.00693	0.0554	1	cumulative residue of the <i>cis</i> - and
Chlorantraniliprole (800008-45-7)	-	0.00693	0.0554	0.2	Paclobutrazol (76738-62-0)	-	0.00693	0.0554	0.4	<i>trans</i> - permethrin isomers.
Chlorfenapyr (122453-73-0)	-	0.00693	0.0554	1	Permethrins (52645-53-1)	-	0.00693	0.0554	0.2	Pyrethrins measured as the cumulative residue of the
Chlorpyrifos (2921-88-2)	-	0.00693	0.0554	0.2	Phosmet (732-11-6)	-	0.00693	0.0554	0.2	pyrethrin I, cinerin I, and jasmolin I isomers.
Clofentezine (74115-24-5)	-	0.00693	0.0554	0.2	Piperonyl butoxide	_	0.00693	0.0554	2	
Cyfluthrin (68359-37-5)	-	0.00693	0.0554	1	(51-03-6)					Action levels are referenced from the State of
Cypermethrin (52315-07-8)	-	0.00693	0.0554	1	Prallethrins (2331-36-9) Propiconazole	-	0.00693 0.00693	0.0554 0.0554	0.2 0.4	Arkansas MMJ testing
Daminozide (1596-84-5)	-	0.00693	0.0554	1	(60207-90-1))			0.0554	0.0	guidelines.
DDVP (62-73-7)	-	0.00693	0.0554	0.1	Propoxur (114-26-1)	-	0.00693	0.0554	0.2	A value of "-" for the action level
Diazinon (333-41-5)	-	0.00693	0.0554	0.2	Pyrethrins (8003-34-7)	-	0.00693	0.0554	1	means that analyte is not
Dimethoate (60-51-5)	-	0.00693	0.0554	0.2	Pyridaben (96489-71-3)	-	0.00693	0.0554	0.2	currently regulated by the regulations referenced above.
Ethoprophos (13194-48-4)	-	0.00693	0.0554	0.2	Spinosad (168316-95-8) Spiromesifen	-	0.00693 0.00693	0.0554 0.0554	0.2 0.2	Disclaimer: This information is
(19194-40-4) Etofenprox (80844-07-1)		0.00693	0.0554	0.4	(283594-90-1)		0.00093	0.0554	0.2	provided as a service and makes
Etoxazole (153233-91-1)	_	0.00693	0.0554	0.2	Spirotetramat (203313-25-1)	-	0.00693	0.0554	0.2	no claims of efficacy and/or safety of this product. Results are
Fenoxycarb (72490-01-8)	_	0.00693	0.0554	0.2	(203313-23-1) Spiroxamine					applicable only for the sample(s)
(E)-Fenpyroximate (134098-61-6)	-	0.00693	0.0554	0.4	(118134-30-8) Tebuconazole	-	0.00693	0.0554	0.4	analyzed and for the specific analysis conducted. This report is for informational purposes only
Fipronil (120068-37-3)	-	0.00693	0.0554	0.4	(80443-41-0)	-	0.00693	0.0554	0.4	and should not be used to
Flonicamid (158062-67-0)	-	0.00693	0.0554	1	Thiacloprid		0.00693	0.0554	0.2	diagnose, treat, or prevent any
Fludioxinil (131341-86-1)	-	0.00693	0.0554	0.4	(111988-49-9)		0.00093	0.0554	0.2	medical-related symptoms. The statements and results herein have
Hexythiazox (78587-05-0)	-	0.00693	0.0554	1	Thiamethoxam	-	0.00693	0.0554	0.2	not been approved and/or
Imazalil (35554-44-0)	-	0.00693	0.0554	0.2	(153719-23-4) Trifloxystrobin					endorsed by the FDA.
Imidacloprid (138261-41-3)	-	0.00693	0.0554	0.4	(141517-21-7)	-	0.00693	0.0554	0.2	

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

<u>Pesticide</u> Cyfluthrin DDVP Ethoprophos <u>Pesticide</u> Myclobutanil Naled Phosmet

Synonym(s)

Baythroid

Dichlorvos

Prophos

<u>Synonym(s)</u> Systhane Dibrom Imidan

Pesticide Propiconazole Propoxur <u>Synonym(s)</u> Tilt Baygon



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), LLC









Testing Location:	Customer ID: 2168	Order ID: OR11120	Sample Type: Primary
Arkansas	<b>River Valley Relief MIPS</b>	Lot Number:	Matrix: Edible
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13222830180	Mass: 1ea
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 07/25/2024
License: ADH 113	License: 00065C	P20240725OZA04	Date Received: 07/25/2024
Cultivar (Strain) or Sample	Date Completed: 07/29/2024		

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

Analysis Date/Time: 07/26/2024 1730			Method: IC Instrument	P/MS t: Agilent 7500ce	<b>Deviations from SOP:</b> None
Analyst: KF					
<u>Heavy Metal</u>	<u>Result</u> (µg/kg)	<u>LOD</u> (µg/kg)	<u>LOQ</u> (µg/kg)	<u>Action Level</u> (µg/kg)	
Arsenic (As)	-	52.8	83.6	200	
Cadmium (Cd)	-	52.8	83.6	200	
Lead (Pb)	-	52.8	83.6	500	Wana
Mercury (Hg)	-	52.8	83.6	100	Satiua OZARK SUNRISE faithanting Hervel San (Sat

Abbreviations: ICP - Inductively-Coupled Plasma, OES - Optical Emission Spectroscopy, DMA - Direct Mercury Analyzer, RL - Reporting Limit, AL - Action Level, LOD - Limit of Detection, LOQ - Limit of Quantitation

# <u>Color Key</u>



"DET" detected less than LOQ

"-" not detected above LOD

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

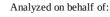
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Testing Location:	Customer ID: 2168	Sample ID: SA38493	Sample Type: Primary
Arkansas	River Valley Relief MIPS	Lot Number:	Matrix: Edible
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13222830180	Mass: 1ea
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 07/25/2024
License: ADA 05_H273	License: 00065C	P20240725OZA04	Date Received: 07/25/2024
Cultivar (Strain) or Sample De	Date Completed: 07/29/2024		

#### MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 07/26/20 Analyst: PW		Hardy Diagnostics CompactDry <b>ent:</b> Thermo Incubator	<b>Deviations from SOP:</b> None
Bacteria/Microbe	<u>Result</u> (CFU/g)	<u>Action Level</u> (CFU/g)	
Aerobic Plate Count	NT	-	
Coliforms, Total	Absent	1	
Escherichia Coli (E. Coli)	Absent	100	(wana)
Mold/Yeast	NT	-	QUICK
Pseudomonas aeruginosa	NT	-	sativa
Salmonella spp.	NT	-	OZARK
Staphylococcus aureus	NT	-	AM Restances Networks

*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





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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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