

**SUMMARY OF ANALYSIS (SAMPLE ID: SA37479)**

<b>Testing Location:</b> Arkansas 232 S. Broadview St. Greenbrier, AR 72058 License: ADH 113	<b>Customer ID:</b> 2168 River Valley Relief MIPS 5601 Old Greenwood Rd Suite C Fort Smith, AR 72903 License: 00065C	<b>Order ID:</b> OR10925 <b>Lot Number:</b> M00065C13243117208 <b>Production Run:</b> E20240325OSSDV02	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 4g <b>Date Collected:</b> 03/25/2024 <b>Date Received:</b> 03/25/2024
<b>Cultivar (Strain) or Sample Description:</b> Outerspace Sauce Hybrid Disposable Distillate			<b>Date Completed:</b> 03/27/2024

\*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 (%)**

Not Tested

**Water Activity (aw)**

Not Tested

**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.

<b>Cannabinoids (Top 3)</b>	<b>(%)</b>	<b>mg/g</b>
Δ9-THC	88.5	885
Δ8-THC	2.68	26.8
CBC	0.810	8.10
TOTAL CBD	-	-
TOTAL THC	88.5	885
TOTAL CANNABINOIDS	93.6	936

<b>Terpenes (Top 5)</b>	<b>(%)</b>	<b>µg/g</b>
β-Myrcene	2.24	22400
β-Caryophyllene	1.06	10600
d-Limonene	0.580	5800
α-Humulene	0.352	3520
Linalool	0.277	2770
TOTAL TERPENES	5.30	53000

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

**Sample Picture Upon Receipt**



Scan the QR code to verify results.

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**CERTIFICATE OF ANALYSIS (SAMPLE ID: SA37479)**

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<b>Cultivar (Strain) or Sample Description:</b> Outerspace Sauce Hybrid Disposable Distillate			<b>Date Completed:</b> 03/27/2024

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

**Analysis Date/Time:** 03/26/2024 1629  
**Analyst:** PW

**Method:** HPLC/DAD  
**Instrument:** Agilent 1100

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

<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	0.810	8.10	0.103	0.239	-	8.10	8.10
CBCA	ND	ND	0.319	0.743	-	-	-
CBD	ND	ND	0.724	1.69	-	-	-
CBDa	ND	ND	0.266	0.622	-	-	-
CBDV	ND	ND	0.116	0.271	-	-	-
CBDVA	ND	ND	0.310	0.723	-	-	-
CBG	0.403	4.03	0.470	1.10	-	4.03	4.03
CBGA	ND	ND	0.666	0.786	-	-	-
CBL	0.279	2.79	0.543	1.27	-	2.79	2.79
CBN	0.208	2.08	0.249	0.582	-	2.08	2.08
CBNA	ND	ND	0.269	0.627	-	-	-
Δ9-THC	88.5	885	0.299	0.697	-	885	885
Δ8-THC	2.68	26.8	0.466	1.09	-	26.8	26.8
THCA	ND	ND	0.162	0.379	-	-	-
THCV	0.791	7.91	0.389	0.906	-	7.91	7.91
THCVA	ND	ND	0.124	0.289	-	-	-
<b>TOTAL</b>	<b>93.6</b>	<b>936</b>				<b>936</b>	<b>936</b>
<b>TOTAL CBC</b>	<b>0.810</b>	<b>8.10</b>				<b>8.10</b>	<b>8.10</b>
<b>TOTAL CBD</b>	<b>-</b>	<b>-</b>				<b>-</b>	<b>-</b>
<b>TOTAL CBDV</b>	<b>-</b>	<b>-</b>				<b>-</b>	<b>-</b>
<b>TOTAL CBG</b>	<b>0.403</b>	<b>4.03</b>				<b>4.03</b>	<b>4.03</b>
<b>TOTAL CBN</b>	<b>0.208</b>	<b>2.08</b>				<b>2.08</b>	<b>2.08</b>
<b>TOTAL THC</b>	<b>88.5</b>	<b>885</b>				<b>885</b>	<b>885</b>
<b>TOTAL THCv</b>	<b>0.791</b>	<b>7.91</b>				<b>7.91</b>	<b>7.91</b>



**SERVING MASS (g):** 1.00  
**SERVINGS/UNIT:** 1

"-" 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) + Δ9-THC  
Total THCv = (THCVA x 0.867) + THCv

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Percentage results are reported by mass.

mg/g results are reported as mass component per mass material.

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Kyle W. Felling, Ph.D.  
Laboratory Director

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<b>Cultivar (Strain) or Sample Description:</b> Outerspace Sauce Hybrid Disposable Distillate			<b>Date Completed:</b> 03/27/2024

**TERPENOID PROFILE**

**Analysis Date/Time:** 03/26/2024 1929  
**Analyst:** KF

**Method:** GC/MS  
**Instrument:** Agilent 7890/5975

**Deviations from SOP:**  
None

<u>Terpene</u>	<u>Result (µg/g)</u>	<u>Result (%)</u>
α-Bisabolol	659	0.0659
Camphene	351	0.0351
δ-3-Carene	2520	0.252
β-Caryophyllene	10600	1.06
Caryophyllene oxide	454	0.0454
p-Cymene	374	0.0374
Eucalyptol	ND	-
Geraniol	ND	-
Guaiol	<LOQ	-
α-Humulene	3520	0.352
Isopulegol	ND	-
d-Limonene	5800	0.580
Linalool	2770	0.277
β-Myrcene	22400	2.24
cis-Nerolidol	ND	-
trans-Nerolidol	146	0.0146
α-Ocimene	150	0.0150
β-Ocimene	272	0.0272
α-Pinene	1020	0.102
β-Pinene	1560	0.156
α-Terpinene	132	0.0132
γ-Terpinene	61.2	0.00612
Terpinolene	184	0.0184
<b>TOTAL</b>	<b>53000</b>	<b>5.30</b>



*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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**Reporting Limit (µg/g): 45.0**

"-" Not detected above LOD.

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**Cultivar (Strain) or Sample Description:** Outerspace Sauce Hybrid Disposable Distillate **Date Completed:** 03/27/2024

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

<b>Analysis Date/Time:</b> 03/25/2024 2039	<b>Method:</b> HS/GC/MS	<b>Deviations from SOP:</b>
<b>Analyst:</b> KF	<b>Instrument:</b> Agilent 7890/5975	None

Solvent	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)	Solvent	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)
Acetone (67-64-1)	-	91.1	182	5000	n-Heptane (142-82-5)	-	91.1	182	5000
Acetonitrile (75-5-8)	-	91.1	182	410	n-Hexane (110-54-3)	-	31.9	63.8	290
Benzene (71-43-2)	-	0.911	1.82	2	Isobutane (75-28-5)	-	91.1	182	5000
n-Butane (106-97-2)	-	91.1	182	5000	Isopropanol (67-63-0)	-	91.1	182	5000
1-Butanol (71-36-3)	-	91.1	182	5000	Isopropyl acetate (108-21-4)	-	91.1	182	5000
2-Butanol (78-92-2)	-	91.1	182	5000	Isopropyl benzene (98-82-8)	-	91.1	18.2	70
2-Butanone (78-93-3)	-	91.1	182	5000	Methanol (67-56-1)	-	91.1	182	3000
Cyclohexane (110-82-7)	-	91.1	182	3880	2-Methylbutane (78-78-4)	-	91.1	182	5000
1,2-Dimethoxyethane (110-71-4)	-	9.11	18.2	100	Methylene chloride (75-9-2)	-	91.1	182	600
N,N-Dimethylacetamide (127-19-5)	-	91.1	182	1090	2-Methylpentane (107-83-5)	-	31.9	63.8	290
2,2-Dimethylbutane (75-83-2)	-	31.9	63.8	290	3-Methylpentane (96-10-0)	-	31.9	63.8	290
2,3-Dimethylbutane (79-29-8)	-	31.9	63.8	290	n-Pentane (109-66-0)	-	91.1	182	5000
N,N-Dimethylformamide (68-12-2)	-	91.1	182	880	1-Pentanol (71-41-0)	-	91.1	182	5000
Dimethylsulfoxide (67-68-5)	-	91.1	182	5000	n-Propane (74-98-6)	-	91.1	182	5000
1,4-Dioxane (123-91-1)	-	91.1	182	380	1-Propanol (71-23-8)	-	91.1	182	5000
Ethanol (64-17-5)	-	91.1	182	5000	Pyridine (110-86-1)	-	31.9	63.8	200
2-Ethoxyethanol (110-80-5)	-	31.9	63.8	160	Tetrahydrofuran (109-99-9)	-	91.1	182	720
Ethyl ether (60-29-7)	-	91.1	182	5000	Tetramethylene sulfone (126-33-0)	-	31.9	63.8	160
Ethyl acetate (141-78-6)	-	91.1	182	5000	Toluene (108-88-3)	-	91.1	182	890
Ethyl benzene (100-41-4)	-	91.1	182	2170	o-Xylene (95-47-6)	-	91.1	182	2170
Ethylene glycol (107-21-1)	-	91.1	182	620	m,p-Xylene (108-38-3 or 106-42-3)	-	91.1	182	2170
Ethylene oxide (75-21-8)	-	9.11	18.2	50	Xylenes* (1330-20-7)	-	43.3	86.7	2170



**Color Key**

**RESULT < AL** (Green background)  
**RESULT > AL** (Red background)

"DET" detected less than LOQ

"-" not detected above LOD

"\*" - 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
Dimethylsulfoxide	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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**Cultivar (Strain) or Sample Description:** Outerspace Sauce Hybrid Disposable Distillate **Date Completed:** 03/27/2024

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

**Analysis Date/Time:** 03/26/2024 1751  
**Analyst:** KF

**Method:** LC/MS/MS  
**Instrument:** Shimadzu LC-8050

**Deviations from SOP:**  
None

Pesticide	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)	Pesticide	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)
Abamectin (71751-41-2)	-	0.0447	0.358	0.5	Kresoxim-methyl (143390-89-0)	-	0.0447	0.358	0.4
Acephate (30560-19-1)	-	0.0447	0.358	0.4	Malathion (121-75-5)	-	0.0447	0.358	0.2
Acetamiprid (135410-20-7)	-	0.0447	0.358	0.2	Metalaxyl (57837-19-1)	-	0.0447	0.358	0.2
Aldicarb (116-06-3)	-	0.0447	0.358	0.4	Methiocarb (2032-65-7)	-	0.0447	0.358	0.2
Azoxystrobin (131860-33-8)	-	0.0447	0.358	0.2	Methomyl (16752-77-5)	-	0.0447	0.358	0.4
Bifenazate (149877-41-8)	-	0.0447	0.358	0.2	Methyl parathion (298-0-0)	-	0.0447	0.358	0.2
Bifenthrin (82657-04-3)	-	0.0447	0.358	0.2	MGK 264 (113-48-4)	-	0.0447	0.358	0.2
Boscalid (188425-85-6)	-	0.0447	0.358	0.4	Myclobutanil (88671-89-0)	-	0.0447	0.358	0.2
Carbaryl (63-25-2)	-	0.0447	0.358	0.2	Naled (300-76-5)	-	0.0447	0.358	0.5
Carbofuran (1563-66-2)	-	0.0447	0.358	0.2	Oxamyl (23135-22-0)	-	0.0447	0.358	1
Chlorantraniliprole (800008-45-7)	-	0.0447	0.358	0.2	Paclobutrazol (76738-62-0)	-	0.0447	0.358	0.4
Chlorfenapyr (122453-73-0)	-	0.0447	0.358	1	Permethrins (52645-53-1)	-	0.0447	0.358	0.2
Chlorpyrifos (2921-88-2)	-	0.0447	0.358	0.2	Phosmet (732-11-6)	-	0.0447	0.358	0.2
Clofentezine (74115-24-5)	-	0.0447	0.358	0.2	Piperonyl butoxide (51-03-6)	-	0.0447	0.358	2
Cyfluthrin (68359-37-5)	-	0.0447	0.358	1	Prallethrins (2331-36-9)	-	0.0447	0.358	0.2
Cypermethrin (52315-07-8)	-	0.0447	0.358	1	Propiconazole (60207-90-1)	-	0.0447	0.358	0.4
Daminozide (1596-84-5)	-	0.0447	0.358	1	Propoxur (114-26-1)	-	0.0447	0.358	0.2
DDVP (62-73-7)	-	0.0447	0.358	0.1	Pyrethrins (8003-34-7)	-	0.0447	0.358	1
Diazinon (333-41-5)	-	0.0447	0.358	0.2	Pyridaben (96489-71-3)	-	0.0447	0.358	0.2
Dimethoate (60-51-5)	-	0.0447	0.358	0.2	Spinosad (168316-95-8)	-	0.0447	0.358	0.2
Ethoprophos (13194-48-4)	-	0.0447	0.358	0.2	Spiromesifen (283594-90-1)	-	0.0447	0.358	0.2
Etofenprox (80844-07-1)	-	0.0447	0.358	0.4	Spirotetramat (203313-25-1)	-	0.0447	0.358	0.2
Etoxazole (153233-91-1)	-	0.0447	0.358	0.2	Spiroxamine (118134-30-8)	-	0.0447	0.358	0.4
Fenoxycarb (72490-01-8)	-	0.0447	0.358	0.2	Tebuconazole (80443-41-0)	-	0.0447	0.358	0.4
(E)-Fenpyroximate (134098-61-6)	-	0.0447	0.358	0.4	Thiacloprid (111988-49-9)	-	0.0447	0.358	0.2
Fipronil (120068-37-3)	-	0.0447	0.358	0.4	Thiamethoxam (153719-23-4)	-	0.0447	0.358	0.2
Fonicamid (158062-67-0)	-	0.0447	0.358	1	Trifloxystrobin (141517-21-7)	-	0.0447	0.358	0.2
Fludioxinil (131341-86-1)	-	0.0447	0.358	0.4					
Hexythiazox (78587-05-0)	-	0.0447	0.358	1					
Imazalil (35554-44-0)	-	0.0447	0.358	0.2					
Imidacloprid (138261-41-3)	-	0.0447	0.358	0.4					



**Color Key**

**RESULT < AL** (Green background)  
**RESULT > AL** (Red background)

"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

<b>Pesticide</b>	<b>Synonym(s)</b>	<b>Pesticide</b>	<b>Synonym(s)</b>	<b>Pesticide</b>	<b>Synonym(s)</b>
Cyfluthrin	Baythroid	Myclobutanil	Systhane	Propiconazole	Tilt
DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethoprophos	Prophos	Phosmet	Imidan		

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Kyle W. Felling, Ph.D.  
Laboratory Director

**CERTIFICATE OF ANALYSIS (SAMPLE ID: SA37479)**

<b>Testing Location:</b> Arkansas 232 S. Broadview St. Greenbrier, AR 72058 License: ADH 113	<b>Customer ID:</b> 2168 River Valley Relief MIPS 5601 Old Greenwood Rd Suite C Fort Smith, AR 72903 License: 00065C	<b>Order ID:</b> OR10925 <b>Lot Number:</b> M00065C13243117208 <b>Production Run:</b> E20240325OSSDV02	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 4g <b>Date Collected:</b> 03/25/2024 <b>Date Received:</b> 03/25/2024
<b>Cultivar (Strain) or Sample Description:</b> Outerspace Sauce Hybrid Disposable Distillate			<b>Date Completed:</b> 03/27/2024

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

**Analysis Date/Time:** 03/26/2024 1943 (ICP/OES)      **Method:** ICP/MS      **Deviations from SOP:**  
**Analysis Date/Time:** - (DMA)      **Instrument:** Agilent 7500ce      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)	-	57.8	91.6	200
Cadmium (Cd)	-	57.8	91.6	200
Lead (Pb)	-	57.8	91.6	500
Mercury (Hg)	-	57.8	91.6	100



*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

**Color Key**



"DET" detected less than LOQ  
 "-" not detected above LOD

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.

**REPORT OF LABORATORY ANALYSIS**

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 Felling Analytical Services and Technology (F.A.S.T.), LLC

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



**CERTIFICATE OF ANALYSIS (SAMPLE ID: SA37479)**

<b>Testing Location:</b> Arkansas 232 S. Broadview St. Greenbrier, AR 72058 License: ADA 05_H273	<b>Customer ID:</b> 2168 River Valley Relief MIPS 5601 Old Greenwood Rd Suite C Fort Smith, AR 72903 License: 00065C	<b>Sample ID:</b> SA37479 <b>Lot Number:</b> M00065C13243117208 <b>Production Run:</b> E20240325OSSDV02	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 4g <b>Date Collected:</b> 03/25/2024 <b>Date Received:</b> 03/25/2024
<b>Cultivar (Strain) or Sample Description:</b> Outerspace Sauce Hybrid Disposable Distillate			<b>Date Completed:</b> 03/27/2024

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

**Analysis Date/Time:** 03/26/2024 1601      **Method:** Hardy Diagnostics CompactDry      **Deviations from SOP:**  
**Analyst:** PW      **Instrument:** Thermo Incubator      None

<u>Bacteria/Microbe</u>	<u>Result (CFU/g)</u>	<u>Action Level (CFU/g)</u>
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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