LABORATORIES/RESEARCH

Analyzed on behalf of:

## SUMMARY OF ANALYSIS (SAMPLE ID: SA39847)

| | | | |
|---|---|---|---|
| **Testing Location:** | **Customer ID:** 2168 | **Order ID:** OR11375 | **Sample Type:** Primary |
| Arkansas | River Valley Relief MIPS | **Lot Number:** | **Matrix:** Edible |
| 232 S. Broadview St. | 5601 Old Greenwood Rd Suite C | M00065C13220923443 | **Mass:** 1ea |
| Greenbrier, AR 72058 | Fort Smith, AR 72903 | **Production Run:** | **Date Collected:** 01/13/2025 |
| License: ADH 113 | License: 00065C | P20250106CAR01 | **Date Received:** 01/14/2025 |

**Cultivar (Strain) or Sample Description:** ARV-Sea Salt Caramel Soft Chews 200mg 20pk **Date Completed:**01/15/2025

*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.

| Cannabinoids (Top 3) | (%) | mg/g |
|---|---|---|
| Δ9-THC | 0.223 | 2.23 |
| Δ8-THC | 0.0154 | 0.154 |
| CBL | 0.00993 | 0.0993 |
| TOTAL CBD | 0.000 | 0.000 |
| TOTAL THC | 0.223 | 2.23 |
| TOTAL CANNABINOIDS | 0.250 | 2.50 |

| Terpenes (Top 5) | (%) | µg/g |
|---|---|---|
| β-Myrcene | 0.00308 | 30.8 |
| Linalool | 0.00226 | 22.6 |
| α-Pinene | 0.00215 | 21.5 |
| Camphene | 0.00212 | 21.2 |
| d-Limonene | 0.00138 | 13.8 |
| TOTAL TERPENES | 0.0137 | 137 |

| 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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## CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39847)

| | | | |
|---|---|---|---|
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| Arkansas | River Valley Relief MIPS | **Lot Number:** | **Matrix:** Edible |
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| License: ADH 113 | License: 00065C | P20250106CAR01 | **Date Received:** 01/14/2025 |

**Cultivar (Strain) or Sample Description:** ARV-Sea Salt Caramel Soft Chews 200mg 20pk **Date Completed:**01/15/2025

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

**Analysis Date/Time:** 01/14/2025 1437
**Analyst:** PW

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

**Moisture Content (%):** -
**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 | 0.00214 | 0.00500 | - | 0.000 | 0.000 |
| CBCA | ND | ND | 0.00666 | 0.0155 | - | 0.000 | 0.000 |
| CBD | ND | ND | 0.0151 | 0.0353 | - | 0.000 | 0.000 |
| CBDA | ND | ND | 0.00557 | 0.0130 | - | 0.000 | 0.000 |
| CBDV | ND | ND | 0.00243 | 0.00566 | - | 0.000 | 0.000 |
| CBDVA | ND | ND | 0.00647 | 0.0151 | - | 0.000 | 0.000 |
| CBG | ND | ND | 0.00982 | 0.0229 | - | 0.000 | 0.000 |
| CBGA | ND | ND | 0.0139 | 0.0164 | - | 0.000 | 0.000 |
| CBL | 0.00993 | 0.0993 | 0.0113 | 0.0265 | - | 0.417 | 8.34 |
| CBN | 0.00136 | 0.0136 | 0.00521 | 0.0122 | - | 0.0571 | 1.14 |
| CBNA | ND | ND | 0.00562 | 0.0131 | - | 0.000 | 0.000 |
| CBT | ND | ND | 0.00816 | 0.0190 | - | 0.000 | 0.000 |
| Δ9-THC | 0.223 | 2.23 | 0.00625 | 0.0146 | - | 9.37 | 187 |
| Δ8-THC | 0.0154 | 0.154 | 0.00974 | 0.0227 | - | 0.647 | 12.9 |
| THCA | ND | ND | 0.00339 | 0.00792 | - | 0.000 | 0.000 |
| THCV | ND | ND | 0.00813 | 0.0189 | - | 0.000 | 0.000 |
| THCVA | ND | ND | 0.00260 | 0.00604 | - | 0.000 | 0.000 |
| **TOTAL** | 0.250 | 2.50 | | | - | 10.5 | 210 |
| **TOTAL CBC** | 0.000 | 0.000 | | | - | 0.000 | 0.000 |
| **TOTAL CBD** | 0.000 | 0.000 | | | - | 0.000 | 0.000 |
| **TOTAL CBDV** | 0.000 | 0.000 | | | - | 0.000 | 0.000 |
| **TOTAL CBG** | 0.000 | 0.000 | | | - | 0.000 | 0.000 |
| **TOTAL CBN** | 0.00136 | 0.0136 | | | - | 0.0571 | 1.14 |
| **TOTAL THC** | 0.223 | 2.23 | | | - | 9.37 | 187 |
| **TOTAL THCV** | 0.000 | 0.000 | | | - | 0.000 | 0.000 |

**SERVING MASS (g):** 4.20
**SERVINGS/UNIT:** 20

"-" 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.

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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Kyle W. Felling, Ph.D.
Laboratory Director

**REPORT OF LABORATORY ANALYSIS**



www.FASTLaboratories.com

Analyzed on behalf of:

# CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39847)

| | | | |
|---|---|---|---|
| **Testing Location:** | **Customer ID:** 2168 | **Order ID:** OR11375 | **Sample Type:** Primary |
| Arkansas | River Valley Relief MIPS | **Lot Number:** | **Matrix:** Edible |
| 232 S. Broadview St. | 5601 Old Greenwood Rd Suite C | M00065C13220923443 | **Mass:** 1ea |
| Greenbrier, AR 72058 | Fort Smith, AR 72903 | **Production Run:** | **Date Collected:** 01/13/2025 |
| License: ADH 113 | License: 00065C | P20250106CAR01 | **Date Received:** 01/14/2025 |

**Cultivar (Strain) or Sample Description:** ARV-Sea Salt Caramel Soft Chews 200mg 20pk **Date Completed:**01/15/2025

## TERPENOID PROFILE

**Analysis Date/Time:**01/14/2025 2011
**Analyst:** KF

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

**Deviations from SOP:**
None

| Terpene | Result (µg/g) | Result (%) |
|---|---|---|
| α-Bisabolol | ND | - |
| Camphene | 21.2 | 0.00212 |
| δ-3-Carene | ND | - |
| β-Caryophyllene | ND | - |
| Caryophyllene oxide | ND | - |
| p-Cymene | 11.2 | 0.00112 |
| Eucalyptol | 7.80 | 0.000780 |
| Geraniol | ND | - |
| Guaiol | ND | - |
| α-Humulene | ND | - |
| Isopulegol | ND | - |
| d-Limonene | 13.8 | 0.00138 |
| Linalool | 22.6 | 0.00226 |
| β-Myrcene | 30.8 | 0.00308 |
| cis-Nerolidol | ND | - |
| trans-Nerolidol | ND | - |
| α-Ocimene | ND | - |
| β-Ocimene | ND | - |
| α-Pinene | 21.5 | 0.00215 |
| β-Pinene | ND | - |
| α-Terpinene | ND | - |
| γ-Terpinene | ND | - |
| Terpinolene | 7.53 | 0.000753 |
| **TOTAL** | 137 | 0.0137 |

*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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medical-related symptoms.

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**Reporting Limit (µg/g):** 4.70

"-" Not detected above LOD.

Kyle W. Felling, Ph.D.
Laboratory Director

**REPORT OF LABORATORY ANALYSIS**



www.FASTLaboratories.com

Analyzed on behalf of:

# CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39847)

| | | | |
|---|---|---|---|
| **Testing Location:** | **Customer ID:** 2168 | **Order ID:** OR11375 | **Sample Type:** Primary |
| Arkansas | River Valley Relief MIPS | **Lot Number:** | **Matrix:** Edible |
| 232 S. Broadview St. | 5601 Old Greenwood Rd Suite C | M00065C13220923443 | **Mass:** 1ea |
| Greenbrier, AR 72058 | Fort Smith, AR 72903 | **Production Run:** | **Date Collected:** 01/13/2025 |
| License: ADH 113 | License: 00065C | P20250106CAR01 | **Date Received:** 01/14/2025 |

**Cultivar (Strain) or Sample Description:** ARV-Sea Salt Caramel Soft Chews 200mg 20pk **Date Completed:**01/15/2025

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

**Analysis Date/Time:** 01/14/2025 2022 **Method:** HS/GC/MS **Deviations from SOP:**
**Analyst:** KF **Instrument:** Agilent 7890/5975 None

| Solvent | Result (µg/g) | LOD (µg/g) | LOQ (µg/g) | Action Level (µg/g) |
|---|---|---|---|---|
| Acetone (67-64-1) | - | 39.1 | 78.1 | 5000 |
| Acetonitrile (75-5-8) | - | 39.1 | 78.1 | 410 |
| Benzene (71-43-2) | - | 0.391 | 0.781 | 2 |
| n-Butane (106-97-2) | - | 39.1 | 78.1 | 5000 |
| 1-Butanol (71-36-3) | - | 39.1 | 78.1 | 5000 |
| 2-Butanol (78-92-2) | - | 39.1 | 78.1 | 5000 |
| 2-Butanone (78-93-3) | - | 39.1 | 78.1 | 5000 |
| Cyclohexane (110-82-7) | - | 39.1 | 78.1 | 3880 |
| 1,2-Dimethoxyethane (110-71-4) | - | 3.91 | 7.81 | 100 |
| N,N-Dimethylacetamide (127-19-5) | - | 39.1 | 78.1 | 1090 |
| 2,2-Dimethylbutane (75-83-2) | - | 13.7 | 27.3 | 290 |
| 2,3-Dimethylbutane (79-29-8) | - | 13.7 | 27.3 | 290 |
| N,N-Dimethylformamide (68-12-2) | - | 39.1 | 78.1 | 880 |
| Dimethylsulfoxide (67-68-5) | - | 39.1 | 78.1 | 5000 |
| 1,4-Dioxane (123-91-1) | - | 39.1 | 78.1 | 380 |
| Ethanol (64-17-5) | - | 39.1 | 78.1 | 5000 |
| 2-Ethoxyethanol (110-80-5) | - | 13.7 | 27.3 | 160 |
| Ethyl ether (60-29-7) | - | 39.1 | 78.1 | 5000 |
| Ethyl acetate (141-78-6) | - | 39.1 | 78.1 | 5000 |
| Ethyl benzene (100-41-4) | - | 39.1 | 78.1 | 2170 |
| Ethylene glycol (107-21-1) | - | 39.1 | 78.1 | 620 |
| Ethylene oxide (75-21-8) | - | 3.91 | 7.81 | 50 |

| Solvent | Result (µg/g) | LOD (µg/g) | LOQ (µg/g) | Action Level (µg/g) |
|---|---|---|---|---|
| n-Heptane (142-82-5) | - | 39.1 | 78.1 | 5000 |
| n-Hexane (110-54-3) | - | 13.7 | 27.3 | 290 |
| Isobutane (75-28-5) | - | 39.1 | 78.1 | 5000 |
| Isopropanol (67-63-0) | - | 39.1 | 78.1 | 5000 |
| Isopropyl acetate (108-21-4) | - | 39.1 | 78.1 | 5000 |
| Isopropyl benzene (98-82-8) | - | 3.91 | 7.81 | 70 |
| Methanol (67-56-1) | - | 39.1 | 78.1 | 3000 |
| 2-Methylbutane (78-78-4) | - | 39.1 | 78.1 | 5000 |
| Methylene chloride (75-9-2) | - | 39.1 | 78.1 | 600 |
| 2-Methylpentane (107-83-5) | - | 13.7 | 27.3 | 290 |
| 3-Methylpentane (96-10-0) | - | 13.7 | 27.3 | 290 |
| n-Pentane (109-66-0) | - | 39.1 | 78.1 | 5000 |
| 1-Pentanol (71-41-0) | - | 39.1 | 78.1 | 5000 |
| n-Propane (74-98-6) | - | 39.1 | 78.1 | 5000 |
| 1-Propanol (71-23-8) | - | 39.1 | 78.1 | 5000 |
| Pyridine (110-86-1) | - | 13.7 | 27.3 | 200 |
| Tetrahydrofuran (109-99-9) | - | 39.1 | 78.1 | 720 |
| Tetramethylene sulfone (126-33-0) | - | 13.7 | 27.3 | 160 |
| Toluene (108-88-3) | - | 39.1 | 78.1 | 890 |
| o-Xylene (95-47-6) | - | 39.1 | 78.1 | 2170 |
| m,p-Xylene (108-38-3 or 106-42-3) | - | 39.1 | 78.1 | 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) |
|---|---|
| Acetonitrile | Methyl Cyanide, ACN |
| 1-Butanol | n-Butanol, Butyl Alcohol |
| 2-Butanol | sec-Butyl alcohol |
| 2-Butanone | Methyl ethyl ketone, MEK |
| 1,2-Dimethoxyethane | Monoglyme |
| 2,3-Dimethylbutane | Neohexane |
| 2,3-Dimethylbutane | Diisopropyl |
| N,N-Dimethylformamide | DMF |
| Dimethysufoxide | DMSO |
| 2-Ethoxyethanol | Cellosolve, Ethyl glycol |
| Ethyl ether | Diethyl ether, Ether |
| Ethyl acetate | EtOAc |
| Ethyl benzene | Phenylethane |

| Solvent | Synonym(s) |
|---|---|
| Ethylene glycol | 1,2-Ethanediol |
| Isobutane | 2-Methylpropane |
| Isopropanol | 2-Propanol, IPA |
| Isopropyl Acetate | Acetic acid isopropyl ester |
| Methanol | Methyl alcohol |
| 2-Methylbutane | Isopentane |
| Methylene chloride | Dichloromethane |
| 2-Methylpentane | Isohexane |
| 1-Pentanol | n-Amyl alcohol |
| 1-Propanol | Propyl alcohol |
| Tetrahydrofuran | THF |
| Tetramethylene sulfone | Sulfolane |
| 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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**REPORT OF LABORATORY ANALYSIS**



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F.A.S.T. LABORATORIES/RESEARCH

ACCREDITED CERTIFICATE #4473.01

ASA PFC Laboratory

Analyzed on behalf of:

RIVER VALLEY RELIEF

# CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39847)

| | | | |
|---|---|---|---|
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| License: ADH 113 | License: 00065C | P20250106CAR01 | **Date Received:** 01/14/2025 |

**Cultivar (Strain) or Sample Description:** ARV-Sea Salt Caramel Soft Chews 200mg 20pk **Date Completed:**01/15/2025

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

**Analysis Date/Time:** 01/14/2025 1813
**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) |
|---|---|---|---|---|
| Abamectin (71751-41-2) | - | 0.00943 | 0.0754 | 0.5 |
| Acephate (30560-19-1) | - | 0.00943 | 0.0754 | 0.4 |
| Acequinocyl (57960-19-7) | - | 0.00943 | 0.0754 | 2 |
| Acetamiprid (135410-20-7) | - | 0.00943 | 0.0754 | 0.2 |
| Aldicarb (116-06-3) | - | 0.00943 | 0.0754 | 0.4 |
| Azoxystrobin (131860-33-8) | - | 0.00943 | 0.0754 | 0.2 |
| Bifenazate (149877-41-8) | - | 0.00943 | 0.0754 | 0.2 |
| Bifenthrin (82657-04-3) | - | 0.00943 | 0.0754 | 0.2 |
| Boscalid (188425-85-6) | - | 0.00943 | 0.0754 | 0.4 |
| Carbaryl (63-25-2) | - | 0.00943 | 0.0754 | 0.2 |
| Carbofuran (1563-66-2) | - | 0.00943 | 0.0754 | 0.2 |
| Chlorantraniliprole (800008-45-7) | - | 0.00943 | 0.0754 | 0.2 |
| Chlorfenapyr (122453-73-0) | - | 0.00943 | 0.0754 | 1 |
| Chlorpyrifos (2921-88-2) | - | 0.00943 | 0.0754 | 0.2 |
| Clofentezine (74115-24-5) | - | 0.00943 | 0.0754 | 0.2 |
| Cyfluthrin (68359-37-5) | - | 0.00943 | 0.0754 | 1 |
| Cypermethrin (52315-07-8) | - | 0.00943 | 0.0754 | 1 |
| Daminozide (1596-84-5) | - | 0.00943 | 0.0754 | 1 |
| DDVP (62-73-7) | - | 0.00943 | 0.0754 | 0.1 |
| Diazinon (333-41-5) | - | 0.00943 | 0.0754 | 0.2 |
| Dimethoate (60-51-5) | - | 0.00943 | 0.0754 | 0.2 |
| Ethoprophos (13194-48-4) | - | 0.00943 | 0.0754 | 0.2 |
| Etofenprox (80844-07-1) | - | 0.00943 | 0.0754 | 0.4 |
| Etoxazole (153233-91-1) | - | 0.00943 | 0.0754 | 0.2 |
| Fenoxycarb (72490-01-8) | - | 0.00943 | 0.0754 | 0.2 |
| (E)-Fenpyroximate (134098-61-6) | - | 0.00943 | 0.0754 | 0.4 |
| Fipronil (120068-37-3) | - | 0.00943 | 0.0754 | 0.4 |
| Flonicamid (158062-67-0) | - | 0.00943 | 0.0754 | 1 |
| Fludioxinil (131341-86-1) | - | 0.00943 | 0.0754 | 0.4 |
| Hexythiazox (78587-05-0) | - | 0.00943 | 0.0754 | 1 |
| Imazalil (35554-44-0) | - | 0.00943 | 0.0754 | 0.2 |
| Imidacloprid (138261-41-3) | - | 0.00943 | 0.0754 | 0.4 |

| Pesticide | Result (µg/g) | LOD (µg/g) | LOQ (µg/g) | Action Level (µg/g) |
|---|---|---|---|---|
| Kresoxim-methyl (143390-89-0) | - | 0.00943 | 0.0754 | 0.4 |
| Malathion (121-75-5) | - | 0.00943 | 0.0754 | 0.2 |
| Metalaxyl (57837-19-1) | - | 0.00943 | 0.0754 | 0.2 |
| Methiocarb (2032-65-7) | - | 0.00943 | 0.0754 | 0.2 |
| Methomyl (16752-77-5) | - | 0.00943 | 0.0754 | 0.4 |
| Methyl parathion (298-0-0) | - | 0.00943 | 0.0754 | 0.2 |
| MGK 264 (113-48-4) | - | 0.00943 | 0.0754 | 0.2 |
| Myclobutanil (88671-89-0) | - | 0.00943 | 0.0754 | 0.2 |
| Naled (300-76-5) | - | 0.00943 | 0.0754 | 0.5 |
| Oxamyl (23135-22-0) | - | 0.00943 | 0.0754 | 1 |
| Paclobutrazol (76738-62-0) | - | 0.00943 | 0.0754 | 0.4 |
| Permethrins (52645-53-1) | - | 0.00943 | 0.0754 | 0.2 |
| Phosmet (732-11-6) | - | 0.00943 | 0.0754 | 0.2 |
| Piperonyl butoxide (51-03-6) | - | 0.00943 | 0.0754 | 2 |
| Prallethrins (2331-36-9) | - | 0.00943 | 0.0754 | 0.2 |
| Propiconazole (60207-90-1)) | - | 0.00943 | 0.0754 | 0.4 |
| Propoxur (114-26-1) | - | 0.00943 | 0.0754 | 0.2 |
| Pyrethrins (8003-34-7) | - | 0.00943 | 0.0754 | 1 |
| Pyridaben (96489-71-3) | - | 0.00943 | 0.0754 | 0.2 |
| Spinosad (168316-95-8) | - | 0.00943 | 0.0754 | 0.2 |
| Spiromesifen (283594-90-1) | - | 0.00943 | 0.0754 | 0.2 |
| Spirotetramat (203313-25-1) | - | 0.00943 | 0.0754 | 0.2 |
| Spiroxamine (118134-30-8) | - | 0.00943 | 0.0754 | 0.4 |
| Tebuconazole (80443-41-0) | - | 0.00943 | 0.0754 | 0.4 |
| Thiacloprid (111988-49-9) | - | 0.00943 | 0.0754 | 0.2 |
| Thiamethoxam (153719-23-4) | - | 0.00943 | 0.0754 | 0.2 |
| Trifloxystrobin (141517-21-7) | - | 0.00943 | 0.0754 | 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.

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 | | |

Kyle W. Felling, Ph.D.
Laboratory Director

**REPORT OF LABORATORY ANALYSIS**



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ACCREDITED CERTIFICATE #4473.01

Analyzed on behalf of:

# CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39847)

| | | | |
|---|---|---|---|
| **Testing Location:** | **Customer ID:** 2168 | **Order ID:** OR11375 | **Sample Type:** Primary |
| Arkansas | River Valley Relief MIPS | **Lot Number:** | **Matrix:** Edible |
| 232 S. Broadview St. | 5601 Old Greenwood Rd Suite C | M00065C13220923443 | **Mass:** 1ea |
| Greenbrier, AR 72058 | Fort Smith, AR 72903 | **Production Run:** | **Date Collected:** 01/13/2025 |
| License: ADH 113 | License: 00065C | P20250106CAR01 | **Date Received:** 01/14/2025 |

**Cultivar (Strain) or Sample Description:** ARV-Sea Salt Caramel Soft Chews 200mg 20pk **Date Completed:**01/15/2025

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

**Analysis Date/Time:** 01/14/2025 1807

**Method:** ICP/MS

**Instrument:** Agilent 7500ce

**Deviations from SOP:** None

**Analyst:** KF

| Heavy Metal | Result (µg/kg) | LOD (µg/kg) | LOQ (µg/kg) | Action Level (µg/kg) |
|---|---|---|---|---|
| Arsenic (As) | - | 56.2 | 89.0 | 200 |
| Cadmium (Cd) | - | 56.2 | 89.0 | 200 |
| Lead (Pb) | - | 56.2 | 89.0 | 500 |
| Mercury (Hg) | - | 56.2 | 89.0 | 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**

RESULT < AL

RESULT > AL

"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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# CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39847)

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|---|---|---|---|
| **Testing Location:** | **Customer ID:** 2168 | **Sample ID:** SA39847 | **Sample Type:** Primary |
| Arkansas | River Valley Relief MIPS | **Lot Number:** | **Matrix:** Edible |
| 232 S. Broadview St. | 5601 Old Greenwood Rd Suite C | M00065C13220923443 | **Mass:** 1ea |
| Greenbrier, AR 72058 | Fort Smith, AR 72903 | **Production Run:** | **Date Collected:** 01/13/2025 |
| License: ADA 05_H273 | License: 00065C | P20250106CAR01 | **Date Received:** 01/14/2025 |

**Cultivar (Strain) or Sample Description:** ARV-Sea Salt Caramel Soft Chews 200mg 20pk **Date Completed:**01/15/2025

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

**Analysis Date/Time:** 01/15/2025 0454
**Analyst:** PW

**Method:** Hardy Diagnostics CompactDry
**Instrument:** Thermo Incubator

**Deviations from SOP:**
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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