

SUMMARY OF ANALYSIS (SAMPLE ID: SA39766)

Testing Location:	Customer ID: 2168	Order ID: OR11361	Sample Type: Primary
Arkansas	River Valley Relief MIPS	Lot Number:	Matrix: Edible
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13224936924	Mass: 1ea
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 01/02/2025
License: ADH 113	License: 00065C	P20241219CAR31	Date Received: 01/02/2025
Cultivar (Strain) or Sample Description: ARV-Sea Salt Caramel Soft Chews 200mg 20pk			Date Completed: 01/06/2025

*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 (%)

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.

Cannabinoids (Top 3)	(%)	mg/g
Δ9-THC	0.210	2.10
CBL	0.00836	0.0836
Δ8-THC	0.00771	0.0771
TOTAL CBD	0.000	0.000
TOTAL THC	0.210	2.10
TOTAL CANNABINOIDS	0.232	2.32

Terpenes (Top 5)	(%)	µg/g
Geraniol	0.00658	65.8
β-Myrcene	0.00309	30.9
α-Pinene	0.00215	21.5
Camphene	0.00212	21.2
α-Terpinene	0.00167	16.7
TOTAL TERPENES	0.0205	205

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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www.FASTLaboratories.com

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



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39766)

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License: ADH 113	License: 00065C	P20241219CAR31	Date Received: 01/02/2025

Cultivar (Strain) or Sample Description: ARV-Sea Salt Caramel Soft Chews 200mg 20pk **Date Completed:** 01/06/2025

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

Analysis Date/Time: 01/03/2025 1423

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	0.00214	0.00499	-	0.000	0.000
CBCA	ND	ND	0.00664	0.0155	-	0.000	0.000
CBD	DET	DET	0.0151	0.0352	-	0.000	0.000
CBDA	ND	ND	0.00555	0.0130	-	0.000	0.000
CBDV	ND	ND	0.00242	0.00564	-	0.000	0.000
CBDVA	ND	ND	0.00645	0.0151	-	0.000	0.000
CBG	0.00370	0.0370	0.00979	0.0229	-	0.166	3.32
CBGA	ND	ND	0.0139	0.0164	-	0.000	0.000
CBL	0.00836	0.0836	0.0113	0.0264	-	0.375	7.50
CBN	0.00190	0.0190	0.00519	0.0121	-	0.0852	1.70
CBNA	ND	ND	0.00561	0.0131	-	0.000	0.000
CBT	ND	ND	0.00814	0.0190	-	0.000	0.000
Δ9-THC	0.210	2.10	0.00623	0.0145	-	9.41	188
Δ8-THC	0.00771	0.0771	0.00971	0.0227	-	0.346	6.92
THCA	ND	ND	0.00338	0.00789	-	0.000	0.000
THCV	ND	ND	0.00810	0.0189	-	0.000	0.000
THCVA	ND	ND	0.00259	0.00602	-	0.000	0.000
TOTAL	0.232	2.32			-	10.4	208
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	0.00370	0.0370			-	0.166	3.32
TOTAL CBN	0.00190	0.0190			-	0.0852	1.70
TOTAL THC	0.210	2.10			-	9.41	188
TOTAL THC	0.000	0.000			-	0.000	0.000



SERVING MASS (g): 4.48
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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Laboratory Director



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License: ADH 113	License: 00065C	P20241219CAR31	Date Received: 01/02/2025

Cultivar (Strain) or Sample Description: ARV-Sea Salt Caramel Soft Chews 200mg 20pk **Date Completed:** 01/06/2025

TERPENOID PROFILE

Analysis Date/Time: 01/03/2025 1940

Method: GC/MS

Deviations from SOP:

Analyst: KF

Instrument: Agilent 7890/5975

None

Terpene	Result (µg/g)	Result (%)	
α-Bisabolol	ND	-	
Camphene	21.2	0.00212	Orange
δ-3-Carene	ND	-	
β-Caryophyllene	ND	-	
Caryophyllene oxide	ND	-	
p-Cymene	11.3	0.00113	Yellow
Eucalyptol	7.51	0.000751	Blue
Geraniol	65.8	0.00658	Dark Blue
Guaiol	ND	-	
α-Humulene	ND	-	
Isopulegol	8.06	0.000806	Blue
d-Limonene	13.8	0.00138	Orange
Linalool	ND	-	
β-Myrcene	30.9	0.00309	Orange
cis-Nerolidol	<LOQ	-	
trans-Nerolidol	ND	-	
α-Ocimene	ND	-	
β-Ocimene	ND	-	
α-Pinene	21.5	0.00215	Red
β-Pinene	ND	-	
α-Terpinene	16.7	0.00167	Purple
γ-Terpinene	7.88	0.000788	Yellow
Terpinolene	ND	-	
TOTAL	205	0.0205	



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): 4.69

"-" Not detected above LOD.

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Cultivar (Strain) or Sample Description: ARV-Sea Salt Caramel Soft Chews 200mg 20pk **Date Completed:** 01/06/2025

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

Analysis Date/Time: 01/03/2025 1654	Method: HS/GC/MS	Deviations from SOP:
Analyst: KF	Instrument: Agilent 7890/5975	None

<u>Solvent</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action Level</u> (µg/g)	<u>Solvent</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action Level</u> (µg/g)
Acetone (67-64-1)	-	27.4	54.9	5000	n-Heptane (142-82-5)	-	27.4	54.9	5000
Acetonitrile (75-5-8)	-	27.4	54.9	410	n-Hexane (110-54-3)	-	9.60	19.2	290
Benzene (71-43-2)	-	0.274	0.549	2	Isobutane (75-28-5)	-	27.4	54.9	5000
n-Butane (106-97-2)	-	27.4	54.9	5000	Isopropanol (67-63-0)	-	27.4	54.9	5000
1-Butanol (71-36-3)	-	27.4	54.9	5000	Isopropyl acetate (108-21-4)	-	27.4	54.9	5000
2-Butanol (78-92-2)	-	27.4	54.9	5000	Isopropyl benzene (98-82-8)	-	2.74	5.49	70
2-Butanone (78-93-3)	-	27.4	54.9	5000	Methanol (67-56-1)	-	27.4	54.9	3000
Cyclohexane (110-82-7)	-	27.4	54.9	3880	2-Methylbutane (78-78-4)	-	27.4	54.9	5000
1,2-Dimethoxyethane (110-71-4)	-	2.74	5.49	100	Methylene chloride (75-9-2)	-	27.4	54.9	600
N,N-Dimethylacetamide (127-19-5)	-	27.4	54.9	1090	2-Methylpentane (107-83-5)	-	9.60	19.2	290
2,2-Dimethylbutane (75-83-2)	-	9.60	19.2	290	3-Methylpentane (96-10-0)	-	9.60	19.2	290
2,3-Dimethylbutane (79-29-8)	-	9.60	19.2	290	n-Pentane (109-66-0)	-	27.4	54.9	5000
N,N-Dimethylformamide (68-12-2)	-	27.4	54.9	880	1-Pentanol (71-41-0)	-	27.4	54.9	5000
Dimethylsulfoxide (67-68-5)	-	27.4	54.9	5000	n-Propane (74-98-6)	-	27.4	54.9	5000
1,4-Dioxane (123-91-1)	-	27.4	54.9	380	1-Propanol (71-23-8)	-	27.4	54.9	5000
Ethanol (64-17-5)	-	27.4	54.9	5000	Pyridine (110-86-1)	-	9.60	19.2	200
2-Ethoxyethanol (110-80-5)	-	9.60	19.2	160	Tetrahydrofuran (109-99-9)	-	27.4	54.9	720
Ethyl ether (60-29-7)	-	27.4	54.9	5000	Tetramethylene sulfone (126-33-0)	-	9.60	19.2	160
Ethyl acetate (141-78-6)	-	27.4	54.9	5000	Toluene (108-88-3)	-	27.4	54.9	890
Ethyl benzene (100-41-4)	-	27.4	54.9	2170	o-Xylene (95-47-6)	-	27.4	54.9	2170
Ethylene glycol (107-21-1)	-	27.4	54.9	620	mp-Xylene (108-38-3 or 106-42-3)	-	27.4	54.9	2170
Ethylene oxide (75-21-8)	-	2.74	5.49	50	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.

<u>Solvent</u>	<u>Synonym(s)</u>	<u>Solvent</u>	<u>Synonym(s)</u>
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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PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 01/03/2025 1726

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)	-	0.00935	0.0748	0.5	Kresoxim-methyl (143390-89-0)	-	0.00935	0.0748	0.4
Acephate (30560-19-1)	-	0.00935	0.0748	0.4	Malathion (121-75-5)	-	0.00935	0.0748	0.2
Acetaminophen (57960-19-7)	-	0.00935	0.0748	2	Metalaxyl (57837-19-1)	-	0.00935	0.0748	0.2
Acetamiprid (135410-20-7)	-	0.00935	0.0748	0.2	Methiocarb (2032-65-7)	-	0.00935	0.0748	0.2
Aldicarb (116-06-3)	-	0.00935	0.0748	0.4	Methomyl (16752-77-5)	-	0.00935	0.0748	0.4
Azoxystrobin (131860-33-8)	-	0.00935	0.0748	0.2	Methyl parathion (298-0-0)	-	0.00935	0.0748	0.2
Bifenazate (149877-41-8)	-	0.00935	0.0748	0.2	MGK 264 (113-48-4)	-	0.00935	0.0748	0.2
Bifenthrin (82657-04-3)	-	0.00935	0.0748	0.2	Myclobutanil (88671-89-0)	-	0.00935	0.0748	0.2
Boscalid (188425-85-6)	-	0.00935	0.0748	0.4	Naled (300-76-5)	-	0.00935	0.0748	0.5
Carbaryl (63-25-2)	-	0.00935	0.0748	0.2	Oxamyl (23135-22-0)	-	0.00935	0.0748	1
Carbofuran (1563-66-2)	-	0.00935	0.0748	0.2	Paclobutrazol (76738-62-0)	-	0.00935	0.0748	0.4
Chlorantraniliprole (800008-45-7)	-	0.00935	0.0748	0.2	Permethrins (52645-53-1)	-	0.00935	0.0748	0.2
Chlorfenapyr (122453-73-0)	-	0.00935	0.0748	1	Phosmet (732-11-6)	-	0.00935	0.0748	0.2
Chlorpyrifos (2921-88-2)	-	0.00935	0.0748	0.2	Piperonyl butoxide (51-03-6)	-	0.00935	0.0748	2
Clofentezine (74115-24-5)	-	0.00935	0.0748	0.2	Prallethrin (2331-36-9)	-	0.00935	0.0748	0.2
Cyfluthrin (68359-37-5)	-	0.00935	0.0748	1	Propiconazole (60207-90-1)	-	0.00935	0.0748	0.4
Cypermethrin (52315-07-8)	-	0.00935	0.0748	1	Propoxur (114-26-1)	-	0.00935	0.0748	0.2
Daminozide (1596-84-5)	-	0.00935	0.0748	1	Pyrethrins (8003-34-7)	-	0.00935	0.0748	1
DDVP (62-73-7)	-	0.00935	0.0748	0.1	Pyridaben (96489-71-3)	-	0.00935	0.0748	0.2
Diazinon (333-41-5)	-	0.00935	0.0748	0.2	Spinosad (168316-95-8)	-	0.00935	0.0748	0.2
Dimethoate (60-51-5)	-	0.00935	0.0748	0.2	Spiromesifen (283594-90-1)	-	0.00935	0.0748	0.2
Ethoprophos (13194-48-4)	-	0.00935	0.0748	0.2	Spirotetramat (203313-25-1)	-	0.00935	0.0748	0.2
Etofenprox (80844-07-1)	-	0.00935	0.0748	0.4	Spiroxamine (118134-30-8)	-	0.00935	0.0748	0.4
Etiozazole (153233-91-1)	-	0.00935	0.0748	0.2	Tebuconazole (80443-41-0)	-	0.00935	0.0748	0.4
Fenoxycarb (72490-01-8)	-	0.00935	0.0748	0.2	Thiacloprid (111988-49-9)	-	0.00935	0.0748	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.00935	0.0748	0.4	Thiamethoxam (153719-23-4)	-	0.00935	0.0748	0.2
Fipronil (120068-37-3)	-	0.00935	0.0748	0.4	Trifloxystrobin (141517-21-7)	-	0.00935	0.0748	0.2
Flonicamid (158062-67-0)	-	0.00935	0.0748	1					
Fludioxinil (131341-86-1)	-	0.00935	0.0748	0.4					
Hexythiazox (78587-05-0)	-	0.00935	0.0748	1					
Imazalil (35554-44-0)	-	0.00935	0.0748	0.2					
Imidacloprid (138261-41-3)	-	0.00935	0.0748	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	Sythane	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: 01/03/2025 1625	Method: ICP/MS	Deviations from SOP:
	Instrument: Agilent 7500ce	None
Analyst: KF		

Heavy Metal	Result (µg/kg)	LOD (µg/kg)	LOQ (µg/kg)	Action Level (µg/kg)
Arsenic (As)	-	58.1	92.0	200
Cadmium (Cd)	-	58.1	92.0	200
Lead (Pb)	-	58.1	92.0	500
Mercury (Hg)	-	58.1	92.0	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.

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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www.FASTLaboratories.com

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



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39766)

Testing Location:	Customer ID: 2168	Sample ID: SA39766	Sample Type: Primary
Arkansas	River Valley Relief MIPS	Lot Number:	Matrix: Edible
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13224936924	Mass: 1ea
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 01/02/2025
License: ADA 05_H273	License: 00065C	P20241219CAR31	Date Received: 01/02/2025
Cultivar (Strain) or Sample Description: ARV-Sea Salt Caramel Soft Chews 200mg 20pk			Date Completed: 01/06/2025

MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 01/03/2025 0819	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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