

SUMMARY OF ANALYSIS (SAMPLE ID: SA42460)

Testing Location: Arkansas 232 S. Broadview St. Greenbrier, AR 72058 License: ADH 113	Customer ID: 2161 River Valley Relief Cultivation 5601 Old Greenwood Rd Suite C Fort Smith, AR 72903 License: 00065C	Order ID: OR11861 Lot Number: M00065C13139160127 Production Run: 7112H20250925CAR-1	Sample Type: Primary Matrix: Flower Mass: 23g Date Collected: 10/23/2025 Date Received: 10/23/2025
Cultivar (Strain) or Sample Description: Cadillac Rainbow			Date Completed: 10/27/2025

*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.
*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 (%) 9.80	Water Activity (aw) 0.420 @ 24.4°C	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
THCA	30.6	306
CBGA	1.61	16.1
Δ9-THC	0.171	1.71
TOTAL CBD	0.000	0.000
TOTAL THC	27.1	271
TOTAL CANNABINOIDS	32.7	327

Terpenes (Top 5)	(%)	ppm
β-Caryophyllene	0.552	5520
d-Limonene	0.341	3410
β-Myrcene	0.229	2290
α-Humulene	0.225	2250
β-Pinene	0.0543	543
TOTAL TERPENES	1.84	18400

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



Scan the QR code to verify results.

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

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

www.FASTLaboratories.com

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

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



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA42460)

Testing Location: Arkansas 232 S. Broadview St. Greenbrier, AR 72058 License: ADH 113	Customer ID: 2161 River Valley Relief Cultivation 5601 Old Greenwood Rd Suite C Fort Smith, AR 72903 License: 00065C	Order ID: OR11861 Lot Number: M00065C13139160127 Production Run: 7112H20250925CAR-1	Sample Type: Primary Matrix: Flower Mass: 23g Date Collected: 10/23/2025 Date Received: 10/23/2025
Cultivar (Strain) or Sample Description: Cadillac Rainbow			Date Completed: 10/27/2025

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

Analysis Date/Time: 10/24/2025 1515 **Method:** HPLC/DAD **Moisture Content (%):** 9.80
Analyst: PW **Instrument:** Agilent 1100 **Water Activity (aw):** 0.420 @ 24.4°C

<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	ND	ND	0.0426	0.0995	-	0.000	0.000
CBCA	ND	ND	0.132	0.309	-	0.000	0.000
CBD	ND	ND	0.301	0.702	-	0.000	0.000
CBDA	DET	DET	0.111	0.258	-	0.000	0.000
CBDV	ND	ND	0.0483	0.113	-	0.000	0.000
CBDVA	ND	ND	0.129	0.300	-	0.000	0.000
CBG	0.155	1.55	0.195	0.456	-	1.40	1.40
CBGA	1.61	16.1	0.277	0.327	-	14.5	14.5
CBL	ND	ND	0.226	0.527	-	0.000	0.000
CBN	ND	ND	0.104	0.242	-	0.000	0.000
CBNA	ND	ND	0.112	0.261	-	0.000	0.000
Δ9-THC	0.171	1.71	0.124	0.290	-	1.54	1.54
Δ8-THC	ND	ND	0.194	0.452	-	0.000	0.000
THCA	30.6	306	0.0673	0.157	-	276	276
THCV	ND	ND	0.162	0.377	-	0.000	0.000
THCVA	0.124	1.24	0.0516	0.120	-	1.12	1.12
TOTAL	32.7	327				295	295
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	1.56	15.6				14.1	14.1
TOTAL CBN	0.000	0.000				0.000	0.000
TOTAL THC	27.1	271				244	244
TOTAL THCV	0.108	1.08				0.971	0.971



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)

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

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

www.FASTLaboratories.com

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

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



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA42460)

Testing Location: Arkansas 232 S. Broadview St. Greenbrier, AR 72058 License: ADH 113	Customer ID: 2161 River Valley Relief Cultivation 5601 Old Greenwood Rd Suite C Fort Smith, AR 72903 License: 00065C	Order ID: OR11861 Lot Number: M00065C13139160127 Production Run: 7112H20250925CAR-1	Sample Type: Primary Matrix: Flower Mass: 23g Date Collected: 10/23/2025 Date Received: 10/23/2025
Cultivar (Strain) or Sample Description: Cadillac Rainbow			Date Completed: 10/27/2025

TERPENOID PROFILE

Analysis Date/Time: 10/24/2025 2124
Analyst: KF

Method: GC/MS
Instrument: Agilent 7890/5975

Deviations from SOP:
None

Terpene	Result (ppm)	Result (%)	Terpene	Result (ppm)	Result (%)
α-Bisabolol	328	0.0328	d-Limonene	3410	0.341
L-Borneol	ND	-	Linalool	496	0.0496
D-Borneol	90.9	0.00909	l-Menthone	ND	-
Camphene	122	0.0122	Menthol	95.9	0.00959
Camphor	ND	-	β-Myrcene	2290	0.229
δ-3-Carene	<LOQ	-	Nerol	90.2	0.00902
Carvacrol	ND	-	cis-Nerolidol	ND	-
Carvone	ND	-	trans-Nerolidol	163	0.0163
β-Caryophyllene	5520	0.552	Nootkatone	ND	-
Caryophyllene oxide	101	0.0101	cis-β-Ocimene	<LOQ	-
Cedrene	<LOQ	-	trans-β-Ocimene	<LOQ	-
Cedrol	ND	-	Octyl acetate	ND	-
cis-Citral	ND	-	α-Phellandrene	<LOQ	-
trans-Citral	ND	-	Phytane	ND	-
Citronellol	ND	-	α-Pinene	413	0.0413
o-Cymene	ND	-	β-Pinene	543	0.0543
m-Cymene	ND	-	Piperitone	ND	-
p-Cymene	ND	-	Pulegone	ND	-
Eucalyptol	ND	-	Sabinene	289	0.0289
trans-β-Farnesene	431	0.0431	Sabinene hydrate	<LOQ	-
Farnesol 1	107	0.0107	Safranal	ND	-
Farnesol 2	129	0.0129	Squalene	127	0.0127
Fenchone	<LOQ	-	Terpinen-4-ol	<LOQ	-
Fenchyl alcohol	474	0.0474	α-Terpinene	<LOQ	-
Geraniol	67.3	0.00673	γ-Terpinene	<LOQ	-
Geranyl acetate	82.5	0.00825	α-Terpineol	398	0.0398
Guaiol	ND	-	Terpinolene	48.0	0.00480
α-Humulene	2250	0.225	α-Thujone	71.1	0.00711
Isoborneol	<LOQ	-	Thymol	67.1	0.00671
Isobornyl acetate	ND	-	Valencene	88.9	0.00889
d-Isomenthone	ND	-	d-Valerolactam	ND	-
Isopulegol	78.1	0.00781	Verbenone	ND	-



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

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

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.

"-" Not detected above LOD.

TOTAL (ppm) 18400 (%) 1.84 **Reporting Limit (ppm):** 46.8

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

www.FASTLaboratories.com

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



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA42460)

Testing Location: Arkansas 232 S. Broadview St. Greenbrier, AR 72058 License: ADH 113	Customer ID: 2161 River Valley Relief Cultivation 5601 Old Greenwood Rd Suite C Fort Smith, AR 72903 License: 00065C	Order ID: OR11861 Lot Number: M00065C13139160127 Production Run: 7112H20250925CAR-1	Sample Type: Primary Matrix: Flower Mass: 23g Date Collected: 10/23/2025 Date Received: 10/23/2025
----------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------

Cultivar (Strain) or Sample Description: Cadillac Rainbow **Date Completed:** 10/27/2025

PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 10/24/2025 1612
Analyst: KF

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

Deviations from SOP:
None

Pesticide	Result (ppm)	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Pesticide	Result (ppm)	LOD (ppm)	LOQ (ppm)	Action Level (ppm)
Abamectin (71751-41-2)	-	0.0466	0.372	0.5	Kresoxim-methyl (143390-89-0)	-	0.0466	0.372	0.4
Acephate (30560-19-1)	-	0.0466	0.372	0.4	Malathion (121-75-5)	-	0.0466	0.372	0.2
Acequinocyl (57960-19-7)	-	0.0466	0.372	2	Metalaxyl (57837-19-1)	-	0.0466	0.372	0.2
Acetamiprid (135410-20-7)	-	0.0466	0.372	0.2	Methiocarb (2032-65-7)	-	0.0466	0.372	0.2
Aldicarb (116-06-3)	-	0.0466	0.372	0.4	Methomyl (16752-77-5)	-	0.0466	0.372	0.4
Azoxystrobin (131860-33-8)	-	0.0466	0.372	0.2	Methyl parathion (298-0-0)	-	0.0466	0.372	0.2
Bifenazate (149877-41-8)	-	0.0466	0.372	0.2	MGK 264 (113-48-4)	-	0.0466	0.372	0.2
Bifenthrin (82657-04-3)	-	0.0466	0.372	0.2	Myclobutanil (88671-89-0)	-	0.0466	0.372	0.2
Boscalid (188425-85-6)	-	0.0466	0.372	0.4	Naled (300-76-5)	-	0.0466	0.372	0.5
Carbaryl (63-25-2)	-	0.0466	0.372	0.2	Oxamyl (23135-22-0)	-	0.0466	0.372	1
Carbofuran (1563-66-2)	-	0.0466	0.372	0.2	Pacllobutrazol (76738-62-0)	-	0.0466	0.372	0.4
Chlorantraniliprole (800008-45-7)	-	0.0466	0.372	0.2	Permethrins (52645-53-1)	-	0.0466	0.372	0.2
Chlorfenapyr (122453-73-0)	-	0.0466	0.372	1	Phosmet (732-11-6)	-	0.0466	0.372	0.2
Chlorpyrifos (2921-88-2)	-	0.0466	0.372	0.2	Piperonyl butoxide (51-03-6)	-	0.0466	0.372	2
Clofentezine (74115-24-5)	-	0.0466	0.372	0.2	Prallethrins (2331-36-9)	-	0.0466	0.372	0.2
Cyfluthrin (68359-37-5)	-	0.0466	0.372	1	Propiconazole (60207-90-1)	-	0.0466	0.372	0.4
Cypermethrin (52315-07-8)	-	0.0466	0.372	1	Propoxur (114-26-1)	-	0.0466	0.372	0.2
Daminozide (1596-84-5)	-	0.0466	0.372	1	Pyrethrins (8003-34-7)	-	0.0466	0.372	1
DDVP (62-73-7)	-	0.0466	0.372	0.1	Pyridaben (96489-71-3)	-	0.0466	0.372	0.2
Diazinon (333-41-5)	-	0.0466	0.372	0.2	Spinosad (168316-95-8)	-	0.0466	0.372	0.2
Dimethoate (60-51-5)	-	0.0466	0.372	0.2	Spiromesifen (283594-90-1)	-	0.0466	0.372	0.2
Ethoprophos (13194-48-4)	-	0.0466	0.372	0.2	Spirotetramat (203313-25-1)	-	0.0466	0.372	0.2
Etofenprox (80844-07-1)	-	0.0466	0.372	0.4	Spiroxamine (118134-30-8)	-	0.0466	0.372	0.4
Etoxazole (153233-91-1)	-	0.0466	0.372	0.2	Tebuconazole (80443-41-0)	-	0.0466	0.372	0.4
Fenoxycarb (72490-01-8)	-	0.0466	0.372	0.2	Thiacloprid (111988-49-9)	-	0.0466	0.372	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0466	0.372	0.4	Thiamethoxam (153719-23-4)	-	0.0466	0.372	0.2
Fipronil (120068-37-3)	-	0.0466	0.372	0.4	Trifloxystrobin (141517-21-7)	-	0.0466	0.372	0.2
Fonicamid (158062-67-0)	-	0.0466	0.372	1					
Fludioxinil (131341-86-1)	-	0.0466	0.372	0.4					
Hexythiazox (78587-05-0)	-	0.0466	0.372	1					
Imazalil (35554-44-0)	-	0.0466	0.372	0.2					
Imidacloprid (138261-41-3)	-	0.0466	0.372	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.
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.

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		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

www.FASTLaboratories.com

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

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



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA42460)

Testing Location: Arkansas 232 S. Broadview St. Greenbrier, AR 72058 License: ADH 113	Customer ID: 2161 River Valley Relief Cultivation 5601 Old Greenwood Rd Suite C Fort Smith, AR 72903 License: 00065C	Order ID: OR11861 Lot Number: M00065C13139160127 Production Run: 7112H20250925CAR-1	Sample Type: Primary Matrix: Flower Mass: 23g Date Collected: 10/23/2025 Date Received: 10/23/2025
Cultivar (Strain) or Sample Description: Cadillac Rainbow			Date Completed: 10/27/2025

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

Analysis Date/Time: 10/24/2025 1632 **Method:** ICP/MS **Deviations from SOP:** None
Analyst: KF **Instrument:** Agilent 7700x

<u>Heavy Metal</u>	<u>Result (ppb)</u>	<u>LOD (ppb)</u>	<u>LOQ (ppb)</u>	<u>Action Level (ppb)</u>
Arsenic (As)	ND	57.2	90.6	200
Cadmium (Cd)	ND	57.2	90.6	200
Lead (Pb)	ND	57.2	90.6	500
Mercury (Hg)	ND	57.2	90.6	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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of
 Felling Analytical Services and Technology (F.A.S.T.), LLC

www.FASTLaboratories.com

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

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



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA42460)

Testing Location: Arkansas 232 S. Broadview St. Greenbrier, AR 72058 -	Customer ID: 2161 River Valley Relief Cultivation 5601 Old Greenwood Rd Suite C Fort Smith, AR 72903 License: 00065C	Sample ID: SA42460 Lot Number: M00065C13139160127 Production Run: 7112H20250925CAR-1	Sample Type: Primary Matrix: Flower Mass: 23g Date Collected: 10/23/2025 Date Received: 10/23/2025
Cultivar (Strain) or Sample Description: Cadillac Rainbow			Date Completed: 10/27/2025

MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 10/24/2025 1502 **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.

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

This report shall not be reproduced, except in full, without the written consent of
Felling Analytical Services and Technology (F.A.S.T.), LLC

www.FASTLaboratories.com

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

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

