

**SUMMARY OF ANALYSIS (SAMPLE ID: SA39622)**

<b>Testing Location:</b>	<b>Customer ID:</b> 2161	<b>Order ID:</b> OR11331	<b>Sample Type:</b> Primary
Arkansas	River Valley Relief Cultivation	<b>Lot Number:</b>	<b>Matrix:</b> Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13138556096	<b>Mass:</b> 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	<b>Production Run:</b>	<b>Date Collected:</b> 12/09/2024
License: ADH 113	License: 00065C	4081H20241105RDV-2	<b>Date Received:</b> 12/09/2024
<b>Cultivar (Strain) or Sample Description:</b> Red Velvet			<b>Date Completed:</b> 12/11/2024

\*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 (%)**

11.4

**Water Activity (aw)**

0.397 @ 24.2°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.

<b>Cannabinoids (Top 3)</b>	<b>(%)</b>	<b>mg/g</b>
THCA	34.4	344
CBGA	1.70	17.0
Δ9-THC	0.906	9.06
TOTAL CBD	0.000	0.000
TOTAL THC	31.2	312
TOTAL CANNABINOIDS	37.5	375

<b>Terpenes (Top 5)</b>	<b>(%)</b>	<b>µg/g</b>
β-Caryophyllene	0.682	6820
d-Limonene	0.623	6230
Linalool	0.300	3000
β-Myrcene	0.219	2190
α-Humulene	0.206	2060
TOTAL TERPENES	2.36	23600

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

**Sample Picture Upon Receipt**



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](http://www.FASTLaboratories.com)

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



**CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39622)**

<b>Testing Location:</b>	<b>Customer ID:</b> 2161	<b>Order ID:</b> OR11331	<b>Sample Type:</b> Primary
Arkansas	River Valley Relief Cultivation	<b>Lot Number:</b>	<b>Matrix:</b> Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13138556096	<b>Mass:</b> 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	<b>Production Run:</b>	<b>Date Collected:</b> 12/09/2024
License: ADH 113	License: 00065C	4081H20241105RDV-2	<b>Date Received:</b> 12/09/2024
<b>Cultivar (Strain) or Sample Description:</b> Red Velvet			<b>Date Completed:</b> 12/11/2024

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

**Analysis Date/Time:** 12/10/2024 1309

**Method:** HPLC/DAD

**Moisture Content (%):** 11.4

**Analyst:** PW

**Instrument:** Agilent 1100

**Water Activity (aw):** 0.397 @ 24.2°C

<b>Cannabinoid</b>	<b>Result (%)</b>	<b>Result (mg/g)</b>	<b>LOD (mg/g)</b>	<b>LOQ (mg/g)</b>	<b>Result (mg/mL)</b>	<b>Per Serving (mg)</b>	<b>Per Unit (mg)</b>
CBC	ND	ND	0.0414	0.0965	-	0.000	0.000
CBCA	ND	ND	0.128	0.300	-	0.000	0.000
CBD	ND	ND	0.292	0.681	-	0.000	0.000
CBDV	ND	ND	0.107	0.251	-	0.000	0.000
CBDVA	ND	ND	0.0468	0.109	-	0.000	0.000
CBG	ND	ND	0.125	0.291	-	0.000	0.000
CBGA	0.178	1.78	0.189	0.442	-	1.58	1.58
CBL	1.70	17.0	0.269	0.317	-	15.1	15.1
CBN	ND	ND	0.219	0.511	-	0.000	0.000
CBNA	ND	ND	0.101	0.235	-	0.000	0.000
CBT	ND	ND	0.108	0.253	-	0.000	0.000
Δ9-THC	ND	ND	0.157	0.367	-	0.000	0.000
Δ8-THC	0.906	9.06	0.120	0.281	-	8.03	8.03
THCA	ND	ND	0.188	0.439	-	0.000	0.000
THCV	34.4	344	0.0653	0.153	-	305	305
THCVA	ND	ND	0.157	0.365	-	0.000	0.000
	0.219	2.19	0.0501	0.116	-	1.94	1.94
<b>TOTAL</b>	<b>37.5</b>	<b>375</b>			-	<b>332</b>	<b>332</b>
<b>TOTAL CBC</b>	<b>0.000</b>	<b>0.000</b>			-	<b>0.000</b>	<b>0.000</b>
<b>TOTAL CBD</b>	<b>0.000</b>	<b>0.000</b>			-	<b>0.000</b>	<b>0.000</b>
<b>TOTAL CBDV</b>	<b>0.000</b>	<b>0.000</b>			-	<b>0.000</b>	<b>0.000</b>
<b>TOTAL CBG</b>	<b>1.67</b>	<b>16.7</b>			-	<b>14.8</b>	<b>14.8</b>
<b>TOTAL CBN</b>	<b>0.000</b>	<b>0.000</b>			-	<b>0.000</b>	<b>0.000</b>
<b>TOTAL THC</b>	<b>31.2</b>	<b>312</b>			-	<b>276</b>	<b>276</b>
<b>TOTAL THCV</b>	<b>0.190</b>	<b>1.90</b>			-	<b>1.68</b>	<b>1.68</b>



**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.

Total CBC = (CBCA x 0.877) + CBC  
Total CBD = (CBDV 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](http://www.FASTLaboratories.com)

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



## CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39622)

<b>Testing Location:</b>	<b>Customer ID:</b> 2161	<b>Order ID:</b> OR11331	<b>Sample Type:</b> Primary
Arkansas	River Valley Relief Cultivation	<b>Lot Number:</b>	<b>Matrix:</b> Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13138556096	<b>Mass:</b> 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	<b>Production Run:</b>	<b>Date Collected:</b> 12/09/2024
License: ADH 113	License: 00065C	4081H20241105RDV-2	<b>Date Received:</b> 12/09/2024
<b>Cultivar (Strain) or Sample Description:</b> Red Velvet			<b>Date Completed:</b> 12/11/2024

### TERPENOID PROFILE

**Analysis Date/Time:** 12/10/2024 1825

**Method:** GC/MS

**Deviations from SOP:**

**Analyst:** KF

**Instrument:** Agilent 7890/5975

None

Terpene	Result (µg/g)	Result (%)	
α-Bisabolol	ND	-	
Camphene	261	0.0261	
δ-3-Carene	ND	-	
β-Caryophyllene	6820	0.682	
Caryophyllene oxide	ND	-	
p-Cymene	ND	-	
Eucalyptol	ND	-	
Geraniol	72.3	0.00723	
Guaiol	ND	-	
α-Humulene	2060	0.206	
Isopulegol	86.3	0.00863	
d-Limonene	6230	0.623	
Linalool	3000	0.300	
β-Myrcene	2190	0.219	
cis-Nerolidol	ND	-	
trans-Nerolidol	ND	-	
α-Ocimene	ND	-	
β-Ocimene	232	0.0232	
α-Pinene	948	0.0948	
β-Pinene	1510	0.151	
α-Terpinene	ND	-	
γ-Terpinene	ND	-	
Terpinolene	205	0.0205	
<b>TOTAL</b>	<b>23600</b>	<b>2.36</b>	



**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.

**Reporting Limit (µg/g): 45.4**

"-" Not detected above LOD.

### 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](http://www.FASTLaboratories.com)

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



**CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39622)**

<b>Testing Location:</b>	<b>Customer ID:</b> 2161	<b>Order ID:</b> OR11331	<b>Sample Type:</b> Primary
Arkansas	River Valley Relief Cultivation	<b>Lot Number:</b>	<b>Matrix:</b> Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13138556096	<b>Mass:</b> 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	<b>Production Run:</b>	<b>Date Collected:</b> 12/09/2024
License: ADH 113	License: 00065C	4081H20241105RDV-2	<b>Date Received:</b> 12/09/2024
<b>Cultivar (Strain) or Sample Description:</b> Red Velvet			<b>Date Completed:</b> 12/11/2024

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

**Analysis Date/Time:** 12/10/2024 1357

**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)	-	0.0451	0.361	0.5	Kresoxim-methyl (143390-89-0)	-	0.0451	0.361	0.4
Acephate (30560-19-1)	-	0.0451	0.361	0.4	Malathion (121-75-5)	-	0.0451	0.361	0.2
Acetaminocyl (57960-19-7)	-	0.0451	0.361	2	Metalaxyl (57837-19-1)	-	0.0451	0.361	0.2
Acetamidrid (135410-20-7)	-	0.0451	0.361	0.2	Methiocarb (2032-65-7)	-	0.0451	0.361	0.2
Aldicarb (116-06-3)	-	0.0451	0.361	0.4	Methomyl (16752-77-5)	-	0.0451	0.361	0.4
Azoxystrobin (131860-33-8)	-	0.0451	0.361	0.2	Methyl parathion (298-0-0)	-	0.0451	0.361	0.2
Bifenazate (149877-41-8)	-	0.0451	0.361	0.2	MGK 264 (113-48-4)	-	0.0451	0.361	0.2
Bifenthrin (82657-04-3)	-	0.0451	0.361	0.2	Myclobutanil (88671-89-0)	-	0.0451	0.361	0.2
Boscalid (188425-85-6)	-	0.0451	0.361	0.4	Naled (300-76-5)	-	0.0451	0.361	0.5
Carbaryl (63-25-2)	-	0.0451	0.361	0.2	Oxamyl (23135-22-0)	-	0.0451	0.361	1
Carbofuran (1563-66-2)	-	0.0451	0.361	0.2	Paclobutrazol (76738-62-0)	-	0.0451	0.361	0.4
Chlorantraniliprole (800008-45-7)	-	0.0451	0.361	0.2	Permethrins (52645-53-1)	-	0.0451	0.361	0.2
Chlorfenapyr (122453-73-0)	-	0.0451	0.361	1	Phosmet (732-11-6)	-	0.0451	0.361	0.2
Chlorpyrifos (2921-88-2)	-	0.0451	0.361	0.2	Piperonyl butoxide (51-03-6)	-	0.0451	0.361	2
Clofentezine (74115-24-5)	-	0.0451	0.361	0.2	Prallethrins (2331-36-9)	-	0.0451	0.361	0.2
Cyfluthrin (68359-37-5)	-	0.0451	0.361	1	Propiconazole (60207-90-1))	-	0.0451	0.361	0.4
Cypermethrin (52315-07-8)	-	0.0451	0.361	1	Propoxur (114-26-1)	-	0.0451	0.361	0.2
Daminozide (1596-84-5)	-	0.0451	0.361	1	Pyrethrins (8003-34-7)	-	0.0451	0.361	1
DDVP (62-73-7)	-	0.0451	0.361	0.1	Pyridaben (96489-71-3)	-	0.0451	0.361	0.2
Diazinon (333-41-5)	-	0.0451	0.361	0.2	Spinosad (168316-95-8)	-	0.0451	0.361	0.2
Dimethoate (60-51-5)	-	0.0451	0.361	0.2	Spiromesifen (283594-90-1)	-	0.0451	0.361	0.2
Ethoprophos (13194-48-4)	-	0.0451	0.361	0.2	Spirotetramat (203313-25-1)	-	0.0451	0.361	0.2
Etofenprox (80844-07-1)	-	0.0451	0.361	0.4	Spiroxamine (118134-30-8)	-	0.0451	0.361	0.4
Etoxazole (153233-91-1)	-	0.0451	0.361	0.2	Tebuconazole (80443-41-0)	-	0.0451	0.361	0.4
Fenoxycarb (72490-01-8)	-	0.0451	0.361	0.2	Thiacloprid (111988-49-9)	-	0.0451	0.361	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0451	0.361	0.4	Thiamethoxam (153719-23-4)	-	0.0451	0.361	0.2
Fipronil (120068-37-3)	-	0.0451	0.361	0.4	Trifloxystrobin (141517-21-7)	-	0.0451	0.361	0.2
Flonicamid (158062-67-0)	-	0.0451	0.361	1					
Fludioxinil (131341-86-1)	-	0.0451	0.361	0.4					
Hexythiazox (78587-05-0)	-	0.0451	0.361	1					
Imazalil (35554-44-0)	-	0.0451	0.361	0.2					
Imidacloprid (138261-41-3)	-	0.0451	0.361	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	Systhane	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](http://www.FASTLaboratories.com)



**CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39622)**

<b>Testing Location:</b>	<b>Customer ID:</b> 2161	<b>Order ID:</b> OR11331	<b>Sample Type:</b> Primary
Arkansas	River Valley Relief Cultivation	<b>Lot Number:</b>	<b>Matrix:</b> Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13138556096	<b>Mass:</b> 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	<b>Production Run:</b>	<b>Date Collected:</b> 12/09/2024
License: ADH 113	License: 00065C	4081H20241105RDV-2	<b>Date Received:</b> 12/09/2024
<b>Cultivar (Strain) or Sample Description:</b> Red Velvet			<b>Date Completed:</b> 12/11/2024

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

<b>Analysis Date/Time:</b> 12/10/2024 1715	<b>Method:</b> ICP/MS	<b>Deviations from SOP:</b>
	<b>Instrument:</b> Agilent 7500ce	None
<b>Analyst:</b> KF		

<b>Heavy Metal</b>	<b>Result (µg/kg)</b>	<b>LOD (µg/kg)</b>	<b>LOQ (µg/kg)</b>	<b>Action Level (µg/kg)</b>
Arsenic (As)	-	59.3	93.9	200
Cadmium (Cd)	-	59.3	93.9	200
Lead (Pb)	-	59.3	93.9	500
Mercury (Hg)	-	59.3	93.9	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**

<b>RESULT &lt; AL</b>
<b>RESULT &gt; AL</b>

"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**

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](http://www.FASTLaboratories.com)

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



**CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39622)**

<b>Testing Location:</b>	<b>Customer ID:</b> 2161	<b>Sample ID:</b> SA39622	<b>Sample Type:</b> Primary
Arkansas	River Valley Relief Cultivation	<b>Lot Number:</b>	<b>Matrix:</b> Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13138556096	<b>Mass:</b> 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	<b>Production Run:</b>	<b>Date Collected:</b> 12/09/2024
License: ADA 05_H273	License: 00065C	4081H20241105RDV-2	<b>Date Received:</b> 12/09/2024
<b>Cultivar (Strain) or Sample Description:</b> Red Velvet			<b>Date Completed:</b> 12/11/2024

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

<b>Analysis Date/Time:</b> 12/10/2024 1110	<b>Method:</b> Hardy Diagnostics CompactDry	<b>Deviations from SOP:</b>
<b>Analyst:</b> PW	<b>Instrument:</b> Thermo Incubator	None

<b>Bacteria/Microbe</b>	<b>Result (CFU/g)</b>	<b>Action Level (CFU/g)</b>
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](http://www.FASTLaboratories.com)

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

