

**SUMMARY OF ANALYSIS (SAMPLE ID: SA39984)**

<b>Testing Location:</b>	<b>Customer ID:</b> 2161	<b>Order ID:</b> OR11404	<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	M00065C13132451409	<b>Mass:</b> 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	<b>Production Run:</b>	<b>Date Collected:</b> 01/23/2025
License: ADH 113	License: 00065C	7084H20241209SLC-2	<b>Date Received:</b> 01/23/2025
<b>Cultivar (Strain) or Sample Description:</b> Slurri Crasher			<b>Date Completed:</b> 01/26/2025

\*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 (%)**

12.0

**Water Activity (aw)**

0.270 @ 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	28.9	289
CBGA	1.58	15.8
Δ9-THC	0.957	9.57
TOTAL CBD	0.000	0.000
TOTAL THC	26.3	263
TOTAL CANNABINOIDS	31.7	317

<b>Terpenes (Top 5)</b>	<b>(%)</b>	<b>µg/g</b>
d-Limonene	1.11	11100
Linalool	0.673	6730
β-Caryophyllene	0.503	5030
β-Pinene	0.218	2180
α-Pinene	0.210	2100
TOTAL TERPENES	3.49	34900

<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.

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



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

**Analysis Date/Time:** 01/24/2025 1431 **Method:** HPLC/DAD **Moisture Content (%):** 12.0  
**Analyst:** PW **Instrument:** Agilent 1100 **Water Activity (aw):** 0.270 @ 24.2°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	0.0428	0.0998	-	0.000	0.000
CBCA	ND	ND	0.133	0.310	-	0.000	0.000
CBD	ND	ND	0.302	0.704	-	0.000	0.000
CBDA	ND	ND	0.111	0.259	-	0.000	0.000
CBDV	ND	ND	0.0484	0.113	-	0.000	0.000
CBDVA	ND	ND	0.129	0.301	-	0.000	0.000
CBG	0.126	1.26	0.196	0.457	-	1.11	1.11
CBGA	1.58	15.8	0.278	0.327	-	13.9	13.9
CBL	ND	ND	0.226	0.528	-	0.000	0.000
CBN	ND	ND	0.104	0.243	-	0.000	0.000
CBNA	ND	ND	0.112	0.261	-	0.000	0.000
CBT	ND	ND	0.163	0.379	-	0.000	0.000
Δ9-THC	0.957	9.57	0.125	0.290	-	8.42	8.42
Δ8-THC	ND	ND	0.194	0.453	-	0.000	0.000
THCA	28.9	289	0.0675	0.158	-	254	254
THCV	ND	ND	0.162	0.378	-	0.000	0.000
THCVA	0.136	1.36	0.0518	0.120	-	1.20	1.20
<b>TOTAL</b>	<b>31.7</b>	<b>317</b>			-	<b>279</b>	<b>279</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>1.51</b>	<b>15.1</b>			-	<b>13.3</b>	<b>13.3</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>26.3</b>	<b>263</b>			-	<b>231</b>	<b>231</b>
<b>TOTAL THCV</b>	<b>0.118</b>	<b>1.18</b>			-	<b>1.04</b>	<b>1.04</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 = (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.  
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### TERPENOID PROFILE

**Analysis Date/Time:** 01/25/2025 1307

**Analyst:** KF

**Method:** GC/MS

**Instrument:** Agilent 7890/5975

**Deviations from SOP:**

None

<u>Terpene</u>	<u>Result</u> (µg/g)	<u>Result</u> (%)	
α-Bisabolol	346	0.0346	
Camphene	470	0.0470	
δ-3-Carene	161	0.0161	
β-Caryophyllene	5030	0.503	
Caryophyllene oxide	<LOQ	-	
p-Cymene	144	0.0144	
Eucalyptol	82.7	0.00827	
Geraniol	522	0.0522	
Guaiol	ND	-	
α-Humulene	2050	0.205	
Isopulegol	193	0.0193	
d-Limonene	11100	1.11	
Linalool	6730	0.673	
β-Myrcene	979	0.0979	
cis-Nerolidol	ND	-	
trans-Nerolidol	1330	0.133	
α-Ocimene	222	0.0222	
β-Ocimene	772	0.0772	
α-Pinene	2100	0.210	
β-Pinene	2180	0.218	
α-Terpinene	170	0.0170	
γ-Terpinene	84.8	0.00848	
Terpinolene	177	0.0177	
<b>TOTAL</b>	<b>34900</b>	<b>3.49</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):** 46.9

"-" Not detected above LOD.

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

**Analysis Date/Time:** 01/24/2025 2140

**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)	-	0.0466	0.373	0.5	Kresoxim-methyl (143390-89-0)	-	0.0466	0.373	0.4
Acephate (30560-19-1)	-	0.0466	0.373	0.4	Malathion (121-75-5)	-	0.0466	0.373	0.2
Acetaminophen (57960-19-7)	-	0.0466	0.373	2	Metalaxyl (57837-19-1)	-	0.0466	0.373	0.2
Acetamiprid (135410-20-7)	-	0.0466	0.373	0.2	Methiocarb (2032-65-7)	-	0.0466	0.373	0.2
Aldicarb (116-06-3)	-	0.0466	0.373	0.4	Methomyl (16752-77-5)	-	0.0466	0.373	0.4
Azoxystrobin (131860-33-8)	-	0.0466	0.373	0.2	Methyl parathion (298-0-0)	-	0.0466	0.373	0.2
Bifenazate (149877-41-8)	-	0.0466	0.373	0.2	MGK 264 (113-48-4)	-	0.0466	0.373	0.2
Bifenthrin (82657-04-3)	-	0.0466	0.373	0.2	Myclobutanil (88671-89-0)	-	0.0466	0.373	0.2
Boscalid (188425-85-6)	-	0.0466	0.373	0.4	Naled (300-76-5)	-	0.0466	0.373	0.5
Carbaryl (63-25-2)	-	0.0466	0.373	0.2	Oxamyl (23135-22-0)	-	0.0466	0.373	1
Carbofuran (1563-66-2)	-	0.0466	0.373	0.2	Paclobutrazol (76738-62-0)	-	0.0466	0.373	0.4
Chlorantraniliprole (800008-45-7)	-	0.0466	0.373	0.2	Permethrins (52645-53-1)	-	0.0466	0.373	0.2
Chlorfenapyr (122453-73-0)	-	0.0466	0.373	1	Phosmet (732-11-6)	-	0.0466	0.373	0.2
Chlorpyrifos (2921-88-2)	-	0.0466	0.373	0.2	Piperonyl butoxide (51-03-6)	-	0.0466	0.373	2
Clofentezine (74115-24-5)	-	0.0466	0.373	0.2	Prallethrin (2331-36-9)	-	0.0466	0.373	0.2
Cyfluthrin (68359-37-5)	-	0.0466	0.373	1	Propiconazole (60207-90-1)	-	0.0466	0.373	0.4
Cypermethrin (52315-07-8)	-	0.0466	0.373	1	Propoxur (114-26-1)	-	0.0466	0.373	0.2
Daminozide (1596-84-5)	-	0.0466	0.373	1	Pyrethrins (8003-34-7)	-	0.0466	0.373	1
DDVP (62-73-7)	-	0.0466	0.373	0.1	Pyridaben (96489-71-3)	-	0.0466	0.373	0.2
Diazinon (333-41-5)	-	0.0466	0.373	0.2	Spinosad (168316-95-8)	-	0.0466	0.373	0.2
Dimethoate (60-51-5)	-	0.0466	0.373	0.2	Spiromesifen (283594-90-1)	-	0.0466	0.373	0.2
Ethoprophos (13194-48-4)	-	0.0466	0.373	0.2	Spirotetramat (203313-25-1)	-	0.0466	0.373	0.2
Etofenprox (80844-07-1)	-	0.0466	0.373	0.4	Spiroxamine (118134-30-8)	-	0.0466	0.373	0.4
Etoxazole (153233-91-1)	-	0.0466	0.373	0.2	Tebuconazole (80443-41-0)	-	0.0466	0.373	0.4
Fenoxycarb (72490-01-8)	-	0.0466	0.373	0.2	Thiacloprid (111988-49-9)	-	0.0466	0.373	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0466	0.373	0.4	Thiamethoxam (153719-23-4)	-	0.0466	0.373	0.2
Fipronil (120068-37-3)	-	0.0466	0.373	0.4	Trifloxystrobin (141517-21-7)	-	0.0466	0.373	0.2
Flonicamid (158062-67-0)	-	0.0466	0.373	1					
Fludioxinil (131341-86-1)	-	0.0466	0.373	0.4					
Hexythiazox (78587-05-0)	-	0.0466	0.373	1					
Imazalil (35554-44-0)	-	0.0466	0.373	0.2					
Imidacloprid (138261-41-3)	-	0.0466	0.373	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	Systhane	Propiconazole	Tilt
DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethoprophos	Prophos	Phosmet	Imidan		

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

<b>Analysis Date/Time:</b> 01/25/2025 1250	<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)	-	58.9	93.2	200
Cadmium (Cd)	-	58.9	93.2	200
Lead (Pb)	-	58.9	93.2	500
Mercury (Hg)	-	58.9	93.2	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.

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

**Analysis Date/Time:** 01/24/2025 1240  
**Analyst:** PW  
**Method:** Hardy Diagnostics CompactDry  
**Instrument:** Thermo Incubator  
**Deviations from SOP:** 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.  
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