

**SUMMARY OF ANALYSIS (SAMPLE ID: SA39708)**

<b>Testing Location:</b>	<b>Customer ID:</b> 2161	<b>Order ID:</b> OR11347	<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	M00065C13130153702	<b>Mass:</b> 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	<b>Production Run:</b>	<b>Date Collected:</b> 12/19/2024
License: ADH 113	License: 00065C	4081H20241105BJO-3	<b>Date Received:</b> 12/19/2024
<b>Cultivar (Strain) or Sample Description:</b> Banjo			<b>Date Completed:</b> 12/23/2024

\*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 (%)**

11.8

**Water Activity (aw)**

0.404 @ 24.4°C

**PASS/FAIL**

**PASS**

Moisture content/water activity action levels are referenced from the State of Arkansas MMJ testing guidelines.

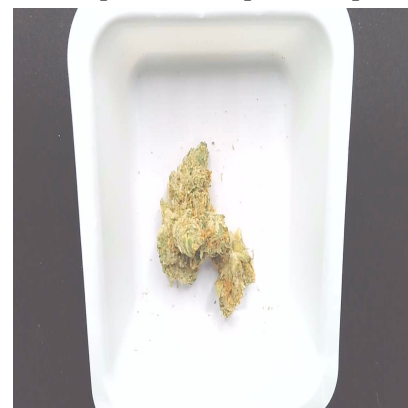
Moisture content levels less than 15% are recommended but the sample does not fail. Water activity levels must be less than 0.65aw.

<b>Cannabinoids (Top 3)</b>	<b>(%)</b>	<b>mg/g</b>
THCA	20.0	200
CBGA	1.06	10.6
Δ9-THC	0.932	9.32
TOTAL CBD	0.000	0.000
TOTAL THC	18.5	185
TOTAL CANNABINOIDS	22.7	227

<b>Terpenes (Top 5)</b>	<b>(%)</b>	<b>µg/g</b>
Terpinolene	0.795	7950
β-Myrcene	0.321	3210
β-Caryophyllene	0.302	3020
β-Ocimene	0.207	2070
Linalool	0.189	1890
TOTAL TERPENES	2.48	24800

<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



**CERTIFICATE OF ANALYSIS (SAMPLE ID: SA39708)**

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License: ADH 113	License: 00065C	4081H20241105BJO-3	<b>Date Received:</b> 12/19/2024
<b>Cultivar (Strain) or Sample Description:</b> Banjo			<b>Date Completed:</b> 12/23/2024

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

**Analysis Date/Time:** 12/20/2024 1515

**Method:** HPLC/DAD

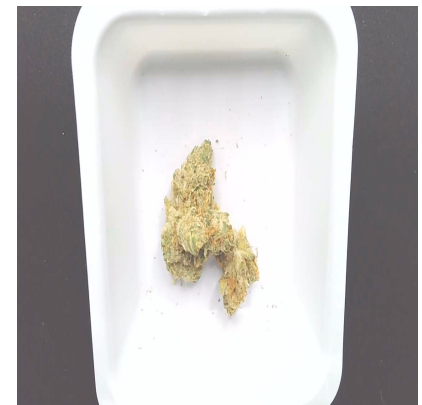
**Moisture Content (%):** 11.8

**Analyst:** PW

**Instrument:** Agilent 1100

**Water Activity (aw):** 0.404 @ 24.4°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	0.0399	0.0931	-	0.000	0.000
CBCA	ND	ND	0.124	0.289	-	0.000	0.000
CBD	ND	ND	0.281	0.657	-	0.000	0.000
CBDV	ND	ND	0.104	0.242	-	0.000	0.000
CBDVA	ND	ND	0.0452	0.105	-	0.000	0.000
CBDVA	ND	ND	0.120	0.281	-	0.000	0.000
CBG	ND	ND	0.183	0.427	-	0.000	0.000
CBGA	1.06	10.6	0.259	0.306	-	9.31	9.31
CBL	ND	ND	0.211	0.493	-	0.000	0.000
CBN	ND	ND	0.0970	0.227	-	0.000	0.000
CBNA	ND	ND	0.105	0.244	-	0.000	0.000
CBT	ND	ND	0.152	0.354	-	0.000	0.000
Δ9-THC	0.932	9.32	0.116	0.271	-	8.22	8.22
Δ8-THC	ND	ND	0.181	0.423	-	0.000	0.000
THCA	20.0	200	0.0630	0.147	-	176	176
THCV	ND	ND	0.151	0.353	-	0.000	0.000
THCVA	0.788	7.88	0.0483	0.112	-	6.95	6.95
<b>TOTAL</b>	<b>22.7</b>	<b>227</b>			-	<b>200</b>	<b>200</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>0.926</b>	<b>9.26</b>			-	<b>8.17</b>	<b>8.17</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>18.5</b>	<b>185</b>			-	<b>163</b>	<b>163</b>
<b>TOTAL THCV</b>	<b>0.684</b>	<b>6.84</b>			-	<b>6.03</b>	<b>6.03</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)

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*Kyle W. Felling*  
Kyle W. Felling, Ph.D.  
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### TERPENOID PROFILE

**Analysis Date/Time:** 12/20/2024 2150

**Analyst:** KF

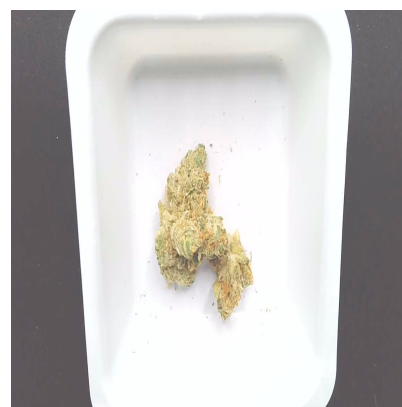
**Method:** GC/MS

**Instrument:** Agilent 7890/5975

**Deviations from SOP:**

None

<u>Terpene</u>	<u>Result</u> (µg/g)	<u>Result</u> (%)	
α-Bisabolol	676	0.0676	
Camphene	83.3	0.00833	
δ-3-Carene	276	0.0276	
β-Caryophyllene	3020	0.302	
Caryophyllene oxide	79.0	0.00790	
p-Cymene	<LOQ	-	
Eucalyptol	<LOQ	-	
Geraniol	80.1	0.00801	
Guaiol	<LOQ	-	
α-Humulene	1380	0.138	
Isopulegol	<LOQ	-	
d-Limonene	1400	0.140	
Linalool	1890	0.189	
β-Myrcene	3210	0.321	
cis-Nerolidol	ND	-	
trans-Nerolidol	ND	-	
α-Ocimene	<LOQ	-	
β-Ocimene	2070	0.207	
α-Pinene	852	0.0852	
β-Pinene	1430	0.143	
α-Terpinene	268	0.0268	
γ-Terpinene	145	0.0145	
Terpinolene	7950	0.795	
<b>TOTAL</b>	<b>24800</b>	<b>2.48</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):** 43.8

"-" Not detected above LOD.

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<b>Cultivar (Strain) or Sample Description:</b> Banjo			<b>Date Completed:</b> 12/23/2024

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

**Analysis Date/Time:** 12/20/2024 1557

**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)	-	0.0436	0.348	0.5	Kresoxim-methyl (143390-89-0)	-	0.0436	0.348	0.4
Acephate (30560-19-1)	-	0.0436	0.348	0.4	Malathion (121-75-5)	-	0.0436	0.348	0.2
Acetaminocyl (57960-19-7)	-	0.0436	0.348	2	Metalaxyl (57837-19-1)	-	0.0436	0.348	0.2
Acetamiprid (135410-20-7)	-	0.0436	0.348	0.2	Methiocarb (2032-65-7)	-	0.0436	0.348	0.2
Aldicarb (116-06-3)	-	0.0436	0.348	0.4	Methomyl (16752-77-5)	-	0.0436	0.348	0.4
Azoxystrobin (131860-33-8)	-	0.0436	0.348	0.2	Methyl parathion (298-0-0)	-	0.0436	0.348	0.2
Bifenazate (149877-41-8)	-	0.0436	0.348	0.2	MGK 264 (113-48-4)	-	0.0436	0.348	0.2
Bifenthrin (82657-04-3)	-	0.0436	0.348	0.2	Myclobutanil (88671-89-0)	-	0.0436	0.348	0.2
Boscalid (188425-85-6)	-	0.0436	0.348	0.4	Naled (300-76-5)	-	0.0436	0.348	0.5
Carbaryl (63-25-2)	-	0.0436	0.348	0.2	Oxamyl (23135-22-0)	-	0.0436	0.348	1
Carbofuran (1563-66-2)	-	0.0436	0.348	0.2	Paclobutrazol (76738-62-0)	-	0.0436	0.348	0.4
Chlorantraniliprole (800008-45-7)	-	0.0436	0.348	0.2	Permethrins (52645-53-1)	-	0.0436	0.348	0.2
Chlorfenapyr (122453-73-0)	-	0.0436	0.348	1	Phosmet (732-11-6)	-	0.0436	0.348	0.2
Chlorpyrifos (2921-88-2)	-	0.0436	0.348	0.2	Piperonyl butoxide (51-03-6)	-	0.0436	0.348	2
Clofentezine (74115-24-5)	-	0.0436	0.348	0.2	Prallethrin (2331-36-9)	-	0.0436	0.348	0.2
Cyfluthrin (68359-37-5)	-	0.0436	0.348	1	Propiconazole (60207-90-1)	-	0.0436	0.348	0.4
Cypermethrin (52315-07-8)	-	0.0436	0.348	1	Propoxur (114-26-1)	-	0.0436	0.348	0.2
Daminozide (1596-84-5)	-	0.0436	0.348	1	Pyrethrins (8003-34-7)	-	0.0436	0.348	1
DDVP (62-73-7)	-	0.0436	0.348	0.1	Pyridaben (96489-71-3)	-	0.0436	0.348	0.2
Diazinon (333-41-5)	-	0.0436	0.348	0.2	Spinosad (168316-95-8)	-	0.0436	0.348	0.2
Dimethoate (60-51-5)	-	0.0436	0.348	0.2	Spiromesifen (283594-90-1)	-	0.0436	0.348	0.2
Ethoprophos (13194-48-4)	-	0.0436	0.348	0.2	Spirotetramat (203313-25-1)	-	0.0436	0.348	0.2
Etofenprox (80844-07-1)	-	0.0436	0.348	0.4	Spiroxamine (118134-30-8)	-	0.0436	0.348	0.4
Etoxazole (153233-91-1)	-	0.0436	0.348	0.2	Tebuconazole (80443-41-0)	-	0.0436	0.348	0.4
Fenoxycarb (72490-01-8)	-	0.0436	0.348	0.2	Thiacloprid (111988-49-9)	-	0.0436	0.348	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0436	0.348	0.4	Thiamethoxam (153719-23-4)	-	0.0436	0.348	0.2
Fipronil (120068-37-3)	-	0.0436	0.348	0.4	Trifloxystrobin (141517-21-7)	-	0.0436	0.348	0.2
Flonicamid (158062-67-0)	-	0.0436	0.348	1					
Fludioxinil (131341-86-1)	-	0.0436	0.348	0.4					
Hexythiazox (78587-05-0)	-	0.0436	0.348	1					
Imazalil (35554-44-0)	-	0.0436	0.348	0.2					
Imidacloprid (138261-41-3)	-	0.0436	0.348	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)**

**Analysis Date/Time:** 12/20/2024 1825

**Method:** ICP/MS

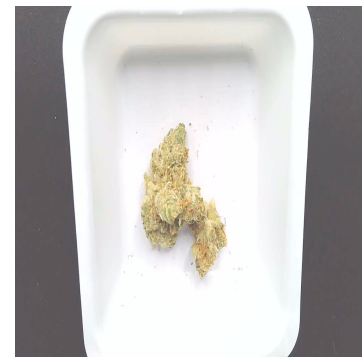
**Deviations from SOP:**

**Instrument:** Agilent 7500ce

None

**Analyst:** 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)	-	58.2	92.1	200
Cadmium (Cd)	-	58.2	92.1	200
Lead (Pb)	-	58.2	92.1	500
Mercury (Hg)	-	58.2	92.1	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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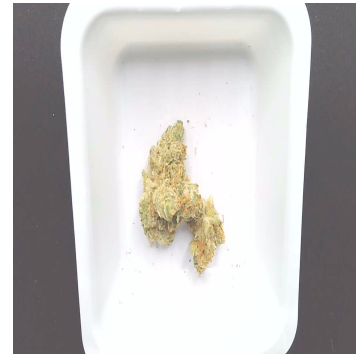
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License: ADA 05_H273	License: 00065C	4081H20241105BJO-3	<b>Date Received:</b> 12/19/2024
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**MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)**

**Analysis Date/Time:** 12/20/2024 1334  
**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.  
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**

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