

SUMMARY OF ANALYSIS (SAMPLE ID: SA44397)

Testing Location:	Customer ID: 2161	Order ID: OR12206	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower/Trim
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13138961348	Mass: 21g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 06/18/2026
License: ADH 113	License: 00065C	1134H20260512PCZ-10	Date Received: 06/18/2026
Cultivar (Strain) or Sample Description: Purple Cloudz			Date Completed: 06/22/2026

*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 (%)

13.1

Water Activity (aw)

0.470 @ 24.4°C

PASS/FAIL

PASS

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

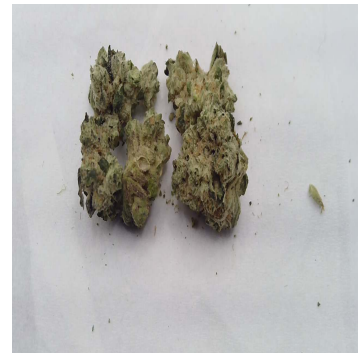
Moisture content levels less than 15% are recommended but the sample does not fail. Water activity levels must be less than 0.65aw.

Cannabinoids (Top 3)	(%)	mg/g
THCA	26.7	267
Δ9-THC	0.543	5.43
CBL	0.518	5.18
TOTAL CBD	0.0421	0.421
TOTAL THC	23.9	239
TOTAL CANNABINOIDS	29.1	291

Terpenes (Top 5)	(%)	ppm
d-Limonene	0.668	6680
α-Pinene	0.249	2490
β-Caryophyllene	0.235	2350
Linalool	0.138	1380
β-Pinene	0.124	1240
TOTAL TERPENES	2.02	20200

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

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: 06/19/2026 1821 **Method:** HPLC/DAD **Moisture Content (%):** 13.1
Analyst: PW **Instrument:** Agilent 1100 **Water Activity (aw):** 0.470 @ 24.4°C

Cannabinoid	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)	Result (mg/mL)	Per Serving (mg)	Per Unit (mg)
CBC	ND	ND	0.0413	0.0963	-	0.000	0.000
CBCA	0.296	2.96	0.128	0.299	-	2.57	2.57
CBD	ND	ND	0.291	0.680	-	0.000	0.000
CBDA	0.0480	0.480	0.107	0.250	-	0.417	0.417
CBDV	ND	ND	0.0467	0.109	-	0.000	0.000
CBDVA	ND	ND	0.125	0.291	-	0.000	0.000
CBG	0.253	2.53	0.189	0.441	-	2.20	2.20
CBGA	0.493	4.93	0.268	0.316	-	4.28	4.28
CBL	0.518	5.18	0.218	0.510	-	4.50	4.50
CBN	ND	ND	0.100	0.234	-	0.000	0.000
CBNA	ND	ND	0.108	0.252	-	0.000	0.000
Δ9-THC	0.543	5.43	0.120	0.280	-	4.72	4.72
Δ8-THC	ND	ND	0.188	0.438	-	0.000	0.000
THCA	26.7	267	0.0652	0.152	-	232	232
THCV	ND	ND	0.156	0.365	-	0.000	0.000
THCVA	0.258	2.58	0.0500	0.116	-	2.24	2.24
TOTAL	29.1	291			-	253	253
TOTAL CBC	0.259	2.59			-	2.25	2.25
TOTAL CBD	0.0421	0.421			-	0.366	0.366
TOTAL CBDV	0.000	0.000			-	0.000	0.000
TOTAL CBG	0.686	6.86			-	5.96	5.96
TOTAL CBN	0.000	0.000			-	0.000	0.000
TOTAL THC	23.9	239			-	208	208
TOTAL THCV	0.223	2.23			-	1.94	1.94



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)

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Laboratory Director



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TERPENOID PROFILE

Analysis Date/Time: 06/20/2026 0406

Method: GC/MS

Deviations from SOP:

Analyst: KF

Instrument: Agilent 7890/5975

None

Terpene	Result (ppm)	Result (%)	Terpene	Result (ppm)	Result (%)
α-Bisabolol	381	0.0381	d-Limonene	6680	0.668
L-Borneol	ND	-	Linalool	1380	0.138
D-Borneol	103	0.0103	l-Menthone	ND	-
Camphene	209	0.0209	Menthol	ND	-
Camphor	ND	-	β-Myrcene	438	0.0438
δ-3-Carene	ND	-	Nerol	ND	-
Carvacrol	ND	-	cis-Nerolidol	ND	-
Carvone	ND	-	trans-Nerolidol	318	0.0318
β-Caryophyllene	2350	0.235	Nootkatone	ND	-
Caryophyllene oxide	131	0.0131	cis-β-Ocimene	58.6	0.00586
Cedrene	ND	-	trans-β-Ocimene	191	0.0191
Cedrol	ND	-	Octyl acetate	ND	-
cis-Citral	ND	-	α-Phellandrene	ND	-
trans-Citral	ND	-	Phytane	ND	-
Citronellol	ND	-	α-Pinene	2490	0.249
o-Cymene	ND	-	β-Pinene	1240	0.124
m-Cymene	ND	-	Piperitone	ND	-
p-Cymene	ND	-	Pulegone	ND	-
Eucalyptol	ND	-	Sabinene	749	0.0749
trans-β-Farnesene	69.0	0.00690	Sabinene hydrate	ND	-
Farnesol 1	ND	-	Safranal	ND	-
Farnesol 2	132	0.0132	Squalene	ND	-
Fenchone	ND	-	Terpinen-4-ol	ND	-
Fenchyl alcohol	674	0.0674	α-Terpinene	ND	-
Geraniol	ND	-	γ-Terpinene	ND	-
Geranyl acetate	ND	-	α-Terpineol	535	0.0535
Guaiol	790	0.0790	Terpinolene	90.0	0.00900
α-Humulene	1070	0.107	α-Thujone	ND	-
Isoborneol	ND	-	Thymol	ND	-
Isobornyl acetate	ND	-	Valencene	63.4	0.00634
d-Isomenthone	ND	-	d-Valerolactam	ND	-
Isopulegol	91.0	0.00910	Verbenone	ND	-



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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"-" Not detected above LOD.

TOTAL (ppm) 20200 (%) 2.02 **Reporting Limit (ppm):** 45.3

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Cultivar (Strain) or Sample Description: Purple Cloudz			Date Completed: 06/22/2026

PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 06/19/2026 1747

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)	-	0.0450	0.360	0.5	Kresoxim-methyl (143390-89-0)	-	0.0450	0.360	0.4
Acephate (30560-19-1)	-	0.0450	0.360	0.4	Malathion (121-75-5)	-	0.0450	0.360	0.2
Acetaminophen (57960-19-7)	-	0.0450	0.360	2	Metalaxyl (57837-19-1)	-	0.0450	0.360	0.2
Acetamiprid (135410-20-7)	-	0.0450	0.360	0.2	Methiocarb (2032-65-7)	-	0.0450	0.360	0.2
Aldicarb (116-06-3)	-	0.0450	0.360	0.4	Methomyl (16752-77-5)	-	0.0450	0.360	0.4
Azoxystrobin (131860-33-8)	-	0.0450	0.360	0.2	Methyl parathion (298-0-0)	-	0.0450	0.360	0.2
Bifenazate (149877-41-8)	-	0.0450	0.360	0.2	MGK 264 (113-48-4)	-	0.0450	0.360	0.2
Bifenthrin (82657-04-3)	-	0.0450	0.360	0.2	Myclobutanil (88671-89-0)	-	0.0450	0.360	0.2
Boscalid (188425-85-6)	-	0.0450	0.360	0.4	Naled (300-76-5)	-	0.0450	0.360	0.5
Carbaryl (63-25-2)	-	0.0450	0.360	0.2	Oxamyl (23135-22-0)	-	0.0450	0.360	1
Carbofuran (1563-66-2)	-	0.0450	0.360	0.2	Paclobutrazol (76738-62-0)	-	0.0450	0.360	0.4
Chlorantraniliprole (800008-45-7)	-	0.0450	0.360	0.2	Permethrins (52645-53-1)	-	0.0450	0.360	0.2
Chlorfenapyr (122453-73-0)	-	0.0450	0.360	1	Phosmet (732-11-6)	-	0.0450	0.360	0.2
Chlorpyrifos (2921-88-2)	-	0.0450	0.360	0.2	Piperonyl butoxide (51-03-6)	-	0.0450	0.360	2
Clofentezine (74115-24-5)	-	0.0450	0.360	0.2	Prallethrin (2331-36-9)	-	0.0450	0.360	0.2
Cyfluthrin (68359-37-5)	-	0.0450	0.360	1	Propiconazole (60207-90-1)	-	0.0450	0.360	0.4
Cypermethrin (52315-07-8)	-	0.0450	0.360	1	Propoxur (114-26-1)	-	0.0450	0.360	0.2
Daminozide (1596-84-5)	-	0.0450	0.360	1	Pyrethrins (8003-34-7)	-	0.0450	0.360	1
DDVP (62-73-7)	-	0.0450	0.360	0.1	Pyridaben (96489-71-3)	-	0.0450	0.360	0.2
Diazinon (333-41-5)	-	0.0450	0.360	0.2	Spinosad (168316-95-8)	-	0.0450	0.360	0.2
Dimethoate (60-51-5)	-	0.0450	0.360	0.2	Spiromesifen (283594-90-1)	-	0.0450	0.360	0.2
Ethoprophos (13194-48-4)	-	0.0450	0.360	0.2	Spirotetramat (203313-25-1)	-	0.0450	0.360	0.2
Etofenprox (80844-07-1)	-	0.0450	0.360	0.4	Spiroxamine (118134-30-8)	-	0.0450	0.360	0.4
Etoxazole (153233-91-1)	-	0.0450	0.360	0.2	Tebuconazole (80443-41-0)	-	0.0450	0.360	0.4
Fenoxycarb (72490-01-8)	-	0.0450	0.360	0.2	Thiacloprid (111988-49-9)	-	0.0450	0.360	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0450	0.360	0.4	Thiamethoxam (153719-23-4)	-	0.0450	0.360	0.2
Fipronil (120068-37-3)	-	0.0450	0.360	0.4	Trifloxystrobin (141517-21-7)	-	0.0450	0.360	0.2
Flonicamid (158062-67-0)	-	0.0450	0.360	1					
Fludioxinil (131341-86-1)	-	0.0450	0.360	0.4					
Hexythiazox (78587-05-0)	-	0.0450	0.360	1					
Imazalil (35554-44-0)	-	0.0450	0.360	0.2					
Imidacloprid (138261-41-3)	-	0.0450	0.360	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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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: OR12206 Lot Number: M00065C13138961348 Production Run: 1134H20260512PCZ-10	Sample Type: Primary Matrix: Flower/Trim Mass: 21g Date Collected: 06/18/2026 Date Received: 06/18/2026
Cultivar (Strain) or Sample Description: Purple Cloudz			Date Completed: 06/22/2026

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

Analysis Date/Time: 06/19/2026 1610

Method: ICP/MS

Deviations from SOP:

Instrument: Agilent 7700x

None

Analyst: KF

Heavy Metal	Result (ppb)	LOD (ppb)	LOQ (ppb)	Action Level (ppb)
Arsenic (As)	ND	57.6	91.3	200
Cadmium (Cd)	ND	57.6	91.3	200
Lead (Pb)	ND	57.6	91.3	500
Mercury (Hg)	ND	57.6	91.3	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.

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MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 06/20/2026 1225	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.
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