

SUMMARY OF ANALYSIS (SAMPLE ID: SA44390)

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	M00065C13135657809	Mass: 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 06/18/2026
License: ADH 113	License: 00065C	1134H20260512PCZ-3	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 (%)

13.6

Water Activity (aw)

0.457 @ 24.5°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.

<u>Cannabinoids (Top 3)</u>	<u>(%)</u>	<u>mg/g</u>
THCA	31.0	310
Δ9-THC	0.697	6.97
CBCA	0.626	6.26
TOTAL CBD	0.0458	0.458
TOTAL THC	27.9	279
TOTAL CANNABINOIDS	34.4	344

<u>Terpenes (Top 5)</u>	<u>(%)</u>	<u>ppm</u>
d-Limonene	0.793	7930
α-Pinene	0.300	3000
β-Caryophyllene	0.250	2500
Linalool	0.168	1680
β-Pinene	0.149	1490
TOTAL TERPENES	2.34	23400

Contaminants

PASS/FAIL

Heavy Metals:

PASS

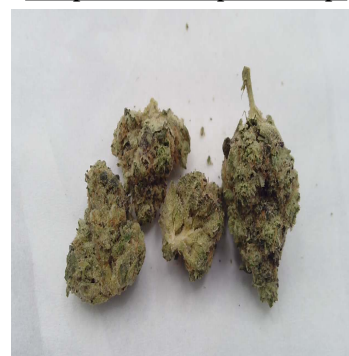
Microbiology:

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



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA44390)

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

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

Analysis Date/Time: 06/19/2026 1650

Method: HPLC/DAD

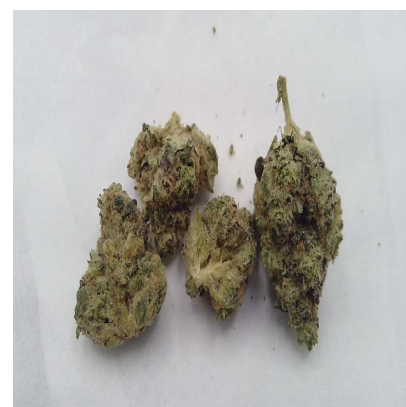
Moisture Content (%): 13.6

Analyst: PW

Instrument: Agilent 1100

Water Activity (aw): 0.457 @ 24.5°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	0.117	1.17	0.0415	0.0968	-	1.01	1.01
CBCA	0.626	6.26	0.129	0.301	-	5.41	5.41
CBD	ND	ND	0.293	0.683	-	0.000	0.000
CBDA	0.0522	0.522	0.108	0.252	-	0.451	0.451
CBDV	ND	ND	0.0470	0.110	-	0.000	0.000
CBDVA	ND	ND	0.125	0.292	-	0.000	0.000
CBG	0.285	2.85	0.190	0.444	-	2.46	2.46
CBGA	0.546	5.46	0.269	0.318	-	4.72	4.72
CBL	0.609	6.09	0.220	0.513	-	5.26	5.26
CBN	ND	ND	0.101	0.236	-	0.000	0.000
CBNA	ND	ND	0.109	0.254	-	0.000	0.000
Δ9-THC	0.697	6.97	0.121	0.282	-	6.02	6.02
Δ8-THC	0.144	1.44	0.189	0.440	-	1.24	1.24
THCA	31.0	310	0.0655	0.153	-	268	268
THCV	ND	ND	0.157	0.367	-	0.000	0.000
THCVA	0.267	2.67	0.0502	0.117	-	2.31	2.31
TOTAL	34.4	344			-	297	297
TOTAL CBC	0.666	6.66			-	5.75	5.75
TOTAL CBD	0.0458	0.458			-	0.396	0.396
TOTAL CBDV	0.000	0.000			-	0.000	0.000
TOTAL CBG	0.764	7.64			-	6.60	6.60
TOTAL CBN	0.000	0.000			-	0.000	0.000
TOTAL THC	27.9	279			-	241	241
TOTAL THCV	0.231	2.31			-	2.00	2.00



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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Kyle W. Felling, Ph.D.
Laboratory Director



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TERPENOID PROFILE

Analysis Date/Time: 06/19/2026 2137

Method: GC/MS

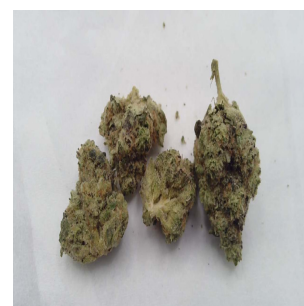
Deviations from SOP:

Analyst: KF

Instrument: Agilent 7890/5975

None

Terpene	Result (ppm)	Result (%)	Terpene	Result (ppm)	Result (%)
α-Bisabolol	355	0.0355	d-Limonene	7930	0.793
L-Borneol	ND	-	Linalool	1680	0.168
D-Borneol	112	0.0112	l-Menthone	ND	-
Camphene	249	0.0249	Menthol	ND	-
Camphor	ND	-	β-Myrcene	530	0.0530
δ-3-Carene	ND	-	Nerol	ND	-
Carvacrol	ND	-	cis-Nerolidol	ND	-
Carvone	ND	-	trans-Nerolidol	347	0.0347
β-Caryophyllene	2500	0.250	Nootkatone	ND	-
Caryophyllene oxide	140	0.0140	cis-β-Ocimene	71.1	0.00711
Cedrene	ND	-	trans-β-Ocimene	250	0.0250
Cedrol	ND	-	Octyl acetate	ND	-
cis-Citral	ND	-	α-Phellandrene	ND	-
trans-Citral	ND	-	Phytane	ND	-
Citronellol	ND	-	α-Pinene	3000	0.300
o-Cymene	ND	-	β-Pinene	1490	0.149
m-Cymene	ND	-	Piperitone	ND	-
p-Cymene	ND	-	Pulegone	ND	-
Eucalyptol	ND	-	Sabinene	890	0.0890
trans-β-Farnesene	70.9	0.00709	Sabinene hydrate	ND	-
Farnesol 1	ND	-	Safranal	ND	-
Farnesol 2	130	0.0130	Squalene	ND	-
Fenchone	ND	-	Terpinen-4-ol	ND	-
Fenchyl alcohol	760	0.0760	α-Terpinene	ND	-
Geraniol	ND	-	γ-Terpinene	ND	-
Geranyl acetate	ND	-	α-Terpineol	652	0.0652
Guaiol	846	0.0846	Terpinolene	98.4	0.00984
α-Humulene	1150	0.115	α-Thujone	ND	-
Isoborneol	ND	-	Thymol	ND	-
Isobornyl acetate	ND	-	Valencene	70.3	0.00703
d-Isomenthone	ND	-	d-Valerolactam	ND	-
Isopulegol	107	0.0107	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) 23400 (%) 2.34 **Reporting Limit (ppm):** 45.5

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Laboratory Director



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License: ADH 113	License: 00065C	1134H20260512PCZ-3	Date Received: 06/18/2026
Cultivar (Strain) or Sample Description: Purple Cloudz			Date Completed: 06/22/2026

PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 06/19/2026 1600

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)	-	0.0451	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
Acetaminophen (57960-19-7)	-	0.0451	0.361	2	Metalaxyl (57837-19-1)	-	0.0451	0.361	0.2
Acetamiprid (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	Prallethrin (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
Etazoxole (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.

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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: M00065C13135657809 Production Run: 1134H20260512PCZ-3	Sample Type: Primary Matrix: Flower/Trim Mass: 23g 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 1546

Method: ICP/MS

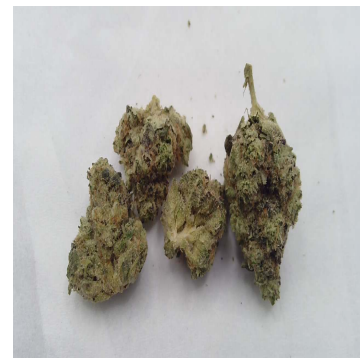
Deviations from SOP:

Instrument: Agilent 7700x

None

Analyst: KF

<u>Heavy Metal</u>	<u>Result (ppb)</u>	<u>LOD (ppb)</u>	<u>LOQ (ppb)</u>	<u>Action Level (ppb)</u>
Arsenic (As)	ND	58.3	92.2	200
Cadmium (Cd)	ND	58.3	92.2	200
Lead (Pb)	ND	58.3	92.2	500
Mercury (Hg)	ND	58.3	92.2	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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