F.A.S.T. LABORATORIES/RESEARCH

ACCREDITED CERTIFICATE #4473.01

Analyzed on behalf of:

SUMMARY OF ANALYSIS (SAMPLE ID: SA43592)

Testing Location:	**Customer ID:** 2161	**Order ID:** OR12082	**Sample Type:** Primary
Arkansas	River Valley Relief Cultivation	**Lot Number:**	**Matrix:** Flower/Trim
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13133738711	**Mass:** 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	**Production Run:**	**Date Collected:** 03/26/2026
License: ADH 113	License: 00065C	7126H20260219E85-1	**Date Received:** 03/26/2026

Cultivar (Strain) or Sample Description: E85 **Date Completed:**03/29/2026

*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 (%)	Water Activity (aw)	PASS/FAIL
13.6	0.463 @ 24.6ºC	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	33.6	336
CBGA	1.11	11.1
CBCA	0.815	8.15
TOTAL CBD	0.000	0.000
TOTAL THC	30.0	300
TOTAL CANNABINOIDS	37.0	370

Terpenes (Top 5)	(%)	ppm
β-Caryophyllene	0.763	7630
d-Limonene	0.552	5520
α-Humulene	0.218	2180
Linalool	0.171	1710
α-Pinene	0.109	1090
TOTAL TERPENES	2.41	24100

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, Ph.D.
Laboratory Director

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Cultivar (Strain) or Sample Description: E85 **Date Completed:**03/29/2026

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

Analysis Date/Time: 03/27/2026 1520 **Method:** HPLC/DAD **Moisture Content (%):** 13.6

Analyst: PW **Instrument:** Agilent 1100 **Water Activity (aw):** 0.463 @ 24.6ºC

Cannabinoid	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)	Result (mg/mL)	Per Serving (mg)	Per Unit (mg)
CBC	0.0846	0.846	0.0400	0.0933	-	0.731	0.731
CBCA	0.815	8.15	0.124	0.290	-	7.04	7.04
CBD	ND	ND	0.282	0.658	-	0.000	0.000
CBDA	ND	ND	0.104	0.242	-	0.000	0.000
CBDV	ND	ND	0.0452	0.106	-	0.000	0.000
CBDVA	ND	ND	0.121	0.282	-	0.000	0.000
CBG	0.0708	0.708	0.183	0.427	-	0.612	0.612
CBGA	1.11	11.1	0.259	0.306	-	9.57	9.57
CBL	0.257	2.57	0.211	0.494	-	2.22	2.22
CBN	ND	ND	0.0971	0.227	-	0.000	0.000
CBNA	0.175	1.75	0.105	0.244	-	1.51	1.51
Δ9-THC	0.589	5.89	0.116	0.271	-	5.09	5.09
Δ8-THC	0.168	1.68	0.182	0.424	-	1.45	1.45
THCA	33.6	336	0.0631	0.148	-	290	290
THCV	ND	ND	0.151	0.353	-	0.000	0.000
THCVA	0.191	1.91	0.0484	0.113	-	1.65	1.65
TOTAL	37.0	370			-	320	320
TOTAL CBC	0.800	8.00			-	6.91	6.91
TOTAL CBD	0.000	0.000			-	0.000	0.000
TOTAL CBDV	0.000	0.000			-	0.000	0.000
TOTAL CBG	1.04	10.4			-	9.01	9.01
TOTAL CBN	0.153	1.53			-	1.32	1.32
TOTAL THC	30.0	300			-	259	259
TOTAL THCV	0.166	1.66			-	1.43	1.43

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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License: ADH 113	License: 00065C	7126H20260219E85-1	**Date Received:** 03/26/2026

Cultivar (Strain) or Sample Description: E85 **Date Completed:**03/29/2026

TERPENOID PROFILE

Analysis Date/Time:03/27/2026 2231 **Method:** GC/MS **Deviations from SOP:**

Analyst: KF **Instrument:** Agilent 7890/5975 None

Terpene	Result (ppm)	Result (%)	Terpene	Result (ppm)	Result (%)
α-Bisabolol	927	0.0927	d-Limonene	5520	0.552
L-Borneol	ND	-	Linalool	1710	0.171
D-Borneol	112	0.0112	l-Menthone	ND	-
Camphene	196	0.0196	Menthol	46.9	0.00469
Camphor	ND	-	β-Myrcene	426	0.0426
δ-3-Carene	ND	-	Nerol	ND	-
Carvacrol	ND	-	cis-Nerolidol	ND	-
Carvone	ND	-	trans-Nerolidol	77.4	0.00774
β-Caryophyllene	7630	0.763	Nootkatone	ND	-
Caryophyllene oxide	123	0.0123	cis-β-Ocimene	65.2	0.00652
Cedrene	ND	-	trans-β-Ocimene	433	0.0433
Cedrol	ND	-	Octyl acetate	ND	-
cis-Citral	ND	-	α-Phellandrene	ND	-
trans-Citral	ND	-	Phytane	ND	-
Citronellol	ND	-	α-Pinene	1090	0.109
o-Cymene	ND	-	β-Pinene	862	0.0862
m-Cymene	ND	-	Piperitone	ND	-
p-Cymene	ND	-	Pulegone	ND	-
Eucalyptol	ND	-	Sabinene	526	0.0526
trans-β-Farnesene	110	0.0110	Sabinene hydrate	ND	-
Farnesol 1	ND	-	Safranal	ND	-
Farnesol 2	129	0.0129	Squalene	ND	-
Fenchone	ND	-	Terpinen-4-ol	ND	-
Fenchyl alcohol	755	0.0755	α-Terpinene	ND	-
Geraniol	68.6	0.00686	γ-Terpinene	ND	-
Geranyl acetate	109	0.0109	α-Terpineol	717	0.0717
Guaiol	79.2	0.00792	Terpinolene	72.0	0.00720
α-Humulene	2180	0.218	α-Thujone	ND	-
Isoborneol	ND	-	Thymol	ND	-
Isobornyl acetate	ND	-	Valencene	93.9	0.00939
d-Isomenthone	ND	-	d-Valerolactam	ND	-
Isopulegol	96.7	0.00967	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) 24100 (%) 2.41 **Reporting Limit (ppm):** 43.8

Kyle W. Felling, Ph.D.
Laboratory Director

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Cultivar (Strain) or Sample Description: E85 **Date Completed:**03/29/2026

PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 03/27/2026 1530 **Method:** LC/MS/MS **Deviations from SOP:**

Analyst: KF **Instrument:** Shimadzu LC-8050 None

Pesticide	Result (ppm)	LOD (ppm)	LOQ (ppm)	Action Level (ppm)
Abamectin (71751-41-2)	-	0.0437	0.350	0.5
Acephate (30560-19-1)	-	0.0437	0.350	0.4
Acequinocyl (57960-19-7)	-	0.0437	0.350	2
Acetamiprid (135410-20-7)	-	0.0437	0.350	0.2
Aldicarb (116-06-3)	-	0.0437	0.350	0.4
Azoxystrobin (131860-33-8)	-	0.0437	0.350	0.2
Bifenazate (149877-41-8)	-	0.0437	0.350	0.2
Bifenthrin (82657-04-3)	-	0.0437	0.350	0.2
Boscalid (188425-85-6)	-	0.0437	0.350	0.4
Carbaryl (63-25-2)	-	0.0437	0.350	0.2
Carbofuran (1563-66-2)	-	0.0437	0.350	0.2
Chlorantraniliprole (800008-45-7)	-	0.0437	0.350	0.2
Chlorfenapyr (122453-73-0)	-	0.0437	0.350	1
Chlorpyrifos (2921-88-2)	-	0.0437	0.350	0.2
Clofentezine (74115-24-5)	-	0.0437	0.350	0.2
Cyfluthrin (68359-37-5)	-	0.0437	0.350	1
Cypermethrin (52315-07-8)	-	0.0437	0.350	1
Daminozide (1596-84-5)	-	0.0437	0.350	1
DDVP (62-73-7)	-	0.0437	0.350	0.1
Diazinon (333-41-5)	-	0.0437	0.350	0.2
Dimethoate (60-51-5)	-	0.0437	0.350	0.2
Ethoprophos (13194-48-4)	-	0.0437	0.350	0.2
Etofenprox (80844-07-1)	-	0.0437	0.350	0.4
Etoxazole (153233-91-1)	-	0.0437	0.350	0.2
Fenoxycarb (72490-01-8)	-	0.0437	0.350	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0437	0.350	0.4
Fipronil (120068-37-3)	-	0.0437	0.350	0.4
Flonicamid (158062-67-0)	-	0.0437	0.350	1
Fludioxinil (131341-86-1)	-	0.0437	0.350	0.4
Hexythiazox (78587-05-0)	-	0.0437	0.350	1
Imazalil (35554-44-0)	-	0.0437	0.350	0.2
Imidacloprid (138261-41-3)	-	0.0437	0.350	0.4

Pesticide	Result (ppm)	LOD (ppm)	LOQ (ppm)	Action Level (ppm)
Kresoxim-methyl (143390-89-0)	-	0.0437	0.350	0.4
Malathion (121-75-5)	-	0.0437	0.350	0.2
Metalaxyl (57837-19-1)	-	0.0437	0.350	0.2
Methiocarb (2032-65-7)	-	0.0437	0.350	0.2
Methomyl (16752-77-5)	-	0.0437	0.350	0.4
Methyl parathion (298-0-0)	-	0.0437	0.350	0.2
MGK 264 (113-48-4)	-	0.0437	0.350	0.2
Myclobutanil (88671-89-0)	-	0.0437	0.350	0.2
Naled (300-76-5)	-	0.0437	0.350	0.5
Oxamyl (23135-22-0)	-	0.0437	0.350	1
Paclobutrazol (76738-62-0)	-	0.0437	0.350	0.4
Permethrins (52645-53-1)	-	0.0437	0.350	0.2
Phosmet (732-11-6)	-	0.0437	0.350	0.2
Piperonyl butoxide (51-03-6)	-	0.0437	0.350	2
Prallethrins (2331-36-9)	-	0.0437	0.350	0.2
Propiconazole (60207-90-1))	-	0.0437	0.350	0.4
Propoxur (114-26-1)	-	0.0437	0.350	0.2
Pyrethrins (8003-34-7)	-	0.0437	0.350	1
Pyridaben (96489-71-3)	-	0.0437	0.350	0.2
Spinosad (168316-95-8)	-	0.0437	0.350	0.2
Spiromesifen (283594-90-1)	-	0.0437	0.350	0.2
Spirotetramat (203313-25-1)	-	0.0437	0.350	0.2
Spiroxamine (118134-30-8)	-	0.0437	0.350	0.4
Tebuconazole (80443-41-0)	-	0.0437	0.350	0.4
Thiacloprid (111988-49-9)	-	0.0437	0.350	0.2
Thiamethoxam (153719-23-4)	-	0.0437	0.350	0.2
Trifloxystrobin (141517-21-7)	-	0.0437	0.350	0.2

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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03/29/2026

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Cultivar (Strain) or Sample Description: E85 **Date Completed:**03/29/2026

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

Analysis Date/Time: 03/27/2026 1447

Method: ICP/MS

Instrument: Agilent 7700x

Deviations from SOP: None

Analyst: KF

Heavy Metal	Result (ppb)	LOD (ppb)	LOQ (ppb)	Action Level (ppb)
Arsenic (As)	ND	58.2	92.1	200
Cadmium (Cd)	ND	58.2	92.1	200
Lead (Pb)	ND	58.2	92.1	500
Mercury (Hg)	ND	58.2	92.1	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: 03/28/2026 0919 **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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