

Greenbrier, AR 72058

License: ADH 113







## **SUMMARY OF ANALYSIS (SAMPLE ID: SA34759)**

Testing Location:Customer ID: 2161OrderArkansasRiver Valley Relief CultivationLot No.232 S. Broadview St.5601 Old Greenwood Rd Suite CM000

Fort Smith, AR 72903 License: 00065C

Cultivar (Strain) or Sample Description: Divinity 35

**Order ID:** OR10360 **Sample Type:** Primary

Lot Number:Matrix: FlowerM00065C13131995523Mass: 12g

 Production Run:
 Date Collected: 03/20/2023

 6027H20230227D35-3
 Date Received: 03/21/2023

**Date Completed:** 03/24/2023

\*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 (%)Water Activity (aw)PASS/FAIL13.20.477 @ 24.6°CPASS

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

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

Cannabinoi	ds (Top 3)	<u>(%)</u>	mg/g
THO	CA	22.1	221
CBC	GA	0.418	4.18
THC	VA	0.158	1.58
TOTAL	CBD	-	-
TOTAL	THC	19.3	193
TOTAL CAN	NABINOIDS	22.6	226
<u>Terpenes (Top 5)</u>		<u>(%)</u>	µg/g
β-Myr	cene	0.228	2280
d-Limo	onene	0.142	1420
β-Caryop	hyllene	0.100	1000
β-Pin	ene	0.0642	642
Linal	ool	0.0639	639
TOTAL TE	RPENES	0.809	8090
<u>Contaminants</u>	PASS/FAIL	Sample Pictur	re Upon Receipt

<b>Contaminants</b>	PASS/FAIL
Heavy Metals:	PASS
Microbiology:	PASS
Pesticides:	PASS





Scan the QR code to verify results.

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**Testing Location:** Customer ID: 2161 River Valley Relief Cultivation Arkansas 232 S. Broadview St. 5601 Old Greenwood Rd Suite C

Cultivar (Strain) or Sample Description: Divinity 35

Greenbrier, AR 72058 Fort Smith, AR 72903 License: ADH 113 License: 00065C

Order ID: OR10360 Lot Number:

M00065C13131995523 **Production Run:** 

6027H20230227D35-3

Sample Type: Primary Matrix: Flower

**Mass:** 12g

**Date Collected:** 03/20/2023 **Date Received:** 03/21/2023

**Date Completed:** 03/24/2023

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

**Analysis Date/Time: 3/22/2023 1509** Method: HPLC/DAD Moisture Content (%): 13.2

**Analyst: PW** 

**Instrument:** Agilent 1100

Water Activity (aw): 0.477 @ 24.57°C



SERVING MASS (g): 1.00 **SERVINGS/UNIT: 1** 

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 =  $(CBCA \times 0.877) + CBC$ Total CBD =  $(CBDA \times 0.877) + CBD$ Total CBDV = (CBDVA  $\times$  0.867) + CBDV Total CBG =  $(CBGA \times 0.878) + CBG$ Total CBN =  $(CBNA \times 0.876) + CBN$ Total THC = (THCA x 0.877) +  $\Delta$ 9-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.

<u>Cannabinoid</u>	Result (%)	Result (mg/g)	<u>LOD</u> (mg/g)	LOQ (mg/g)	Result (mg/ mL)	Per Serving (mg)	Per Unit (mg)
CBC	ND	ND	0.233	0.545	-	-	-
CBCA	ND	ND	0.725	1.69	-	-	-
CBD	ND	ND	1.65	3.84	-	-	-
CBDA	ND	ND	0.606	1.41	-	-	-
CBDV	ND	ND	0.264	0.616	-	-	-
CBDVA	ND	ND	0.704	1.64	-	-	-
CBG	ND	ND	1.07	2.50	-	-	-
CBGA	0.418	4.18	0.766	1.79	-	4.18	4.18
CBL	ND	ND	1.23	2.88	-	-	-
CBN	ND	ND	0.567	1.32	-	-	-
CBNA	ND	ND	0.612	1.43	-	-	-
Δ9-ΤΗС	ND	ND	0.680	1.58	-	-	-
Δ8-ΤΗС	ND	ND	1.06	2.48	-	-	-
THCA	22.1	221	0.369	0.862	-	221	221
THCV	ND	ND	0.885	2.06	-	-	-
THCVA	0.158	1.58	0.283	0.657	-	1.58	1.58
TOTAL	22.6	226				226	226
TOTAL CBC	-	-				_	-
TOTAL CBD	-	-			-	-	-
TOTAL CBDV	-	-			-	-	-
TOTAL CBG	0.367	3.67			-	3.67	3.67
TOTAL CBN	-	-			-	-	-
TOTAL THC	19.3	193			-	193	193
TOTAL THCV	0.137	1.37			-	1.37	1.37
Δ8-THC THCA THCV THCVA TOTAL TOTAL CBC TOTAL CBD TOTAL CBDV TOTAL CBG TOTAL CBN TOTAL THC	ND 22.1 ND 0.158 22.6 0.367 - 19.3 0.137	ND 221 ND 1.58 226 3.67 - 193 1.37	1.06 0.369 0.885 0.283	2.48 0.862 2.06 0.657	- - - - - - - - -	1.58 226 - - - 3.67 - 193 1.37	3. 1.

CBCA, CBDVA, CBL, CBNA, and THCVA are in process of being added to our accreditation scope.

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, UM - Measurement Uncertainty

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<sup>&</sup>quot;-" Not detected above LOD.









**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

> Result <u>(%)</u>

0.0549

0.0284

0.100

0.0416

0.142

0.0639

0.228

0.0120

0.0420

0.0642

0.0313

0.809

License: 00065C

**Order ID:** OR10360 Lot Number: M00065C13131995523 **Production Run:** 6027H20230227D35-3

Sample Type: Primary Matrix: Flower **Mass:** 12g

**Date Collected:** 03/20/2023 **Date Received:** 03/21/2023

**Date Completed:** 03/24/2023

#### TERPENOID PROFILE

Analysis Date/Time:03/22/2023 1627

Cultivar (Strain) or Sample Description: Divinity 35

Result

 $(\mu g/g)$ 

549

284

1000

416

1420

639

2280

120

420

642

313

8090

**Analyst: KF** 

**Terpene** 

α-Bisabolol

Camphene

δ-3-Carene β-Caryophyllene

Caryophyllene oxide p-Cymene Eucalyptol Geraniol Guaiol

α-Humulene

Isopulegol

Linalool

β-Myrcene

cis-Nerolidol

α-Ocimene

**β-Ocimene** 

α-Pinene

**B-Pinene** 

**TOTAL** 

α-Terpinene y-Terpinene Terpinolene

trans-Nerolidol

d-Limonene

Method: GC/MS

Instrument: Agilent 7890/5975

**Deviations from SOP:** 

None



Abbreviations: GC - Gas Chromatography, MS - Mass Spectrometry, RL - Reporting Limit

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"-" Not detected above RL

Reporting Limit (µg/g): 47.1





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03/24/2023









**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:** OR10360 Lot Number:

M00065C13131995523

**Production Run:** 6027H20230227D35-3 Sample Type: Primary

Matrix: Flower

**Mass:** 12g

**Date Collected:** 03/20/2023 **Date Received:** 03/21/2023

**Date Completed:** 03/24/2023

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

**Analysis Date/Time:** 03/23/2023 2102

Cultivar (Strain) or Sample Description: Divinity 35

**Analyst: KF** 

Method: LC/MS/MS

Instrument: Shimadzu LC-8050

**Deviations from SOP:** 

None



Color Key

"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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<u>Pesticide</u>	<u>Result</u> (μg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	Action Level (µg/g)	<u>Pesticide</u>	<u>Result</u> (μg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> <u>Level</u> (μg/g)
Abamectin (71751-41-2)	-	0.0471	0.377	0.5	Kresoxim-methyl	_	0.0471	0.377	0.4
Acephate (30560-19-1)	-	0.0471	0.377	0.4	(143390-89-0)				
Acequinocyl (57960-19-7)	-	0.0471	0.377	2	Malathion (121-75-5)	-	0.0471	0.377	0.2
Acetamiprid (135410-20-7)	-	0.0471	0.377	0.2	Metalaxyl (57837-19-1) Methiocarb (2032-65-7)	-	0.0471 0.0471	0.377 0.377	0.2 0.2
Aldicarb (116-06-3)	-	0.0471	0.377	0.4	Methomyl (16752-77-5)	-	0.0471	0.377	0.4
Azoxystrobin (131860-33-8)	-	0.0471	0.377	0.2	Methyl parathion (298-0-0)	-	0.0471	0.377	0.2
Bifenazate (149877-41-8)	-	0.0471	0.377	0.2	MGK 264 (113-48-4)	-	0.0471	0.377	0.2
Bifenthrin (82657-04-3)	-	0.0471	0.377	0.2	Myclobutanil		0.0471	0.377	0.2
Boscalid (188425-85-6)	-	0.0471	0.377	0.4	(88671-89-0)				
Carbaryl (63-25-2)	-	0.0471	0.377	0.2	Naled (300-76-5)	-	0.0471	0.377	0.5
Carbofuran (1563-66-2)	-	0.0471	0.377	0.2	Oxamyl (23135-22-0)	-	0.0471	0.377	1
Chlorantraniliprole (800008-45-7)	-	0.0471	0.377	0.2	Paclobutrazol (76738-62-0)	-	0.0471	0.377	0.4
Chlorfenapyr		0.0471	0.377	1	Permethrins (52645-53-1)	-	0.0471	0.377	0.2
(122453-73-0)	_	0.04/1	0.377	1	Phosmet (732-11-6)	-	0.0471	0.377	0.2
Chlorpyrifos (2921-88-2)	-	0.0471	0.377	0.2	Piperonyl butoxide	_	0.0471	0.377	2
Clofentezine (74115-24-5)	-	0.0471	0.377	0.2	(51-03-6)		0.0474	0.277	0.0
Cyfluthrin (68359-37-5)	-	0.0471	0.377	1	Prallethrins (2331-36-9)	-	0.0471	0.377	0.2
Cypermethrin (52315-07-8)	-	0.0471	0.377	1	Propiconazole (60207-90-1))	-	0.0471	0.377	0.4
Daminozide (1596-84-5)	-	0.0471	0.377	1	Propoxur (114-26-1)	-	0.0471	0.377	0.2
DDVP (62-73-7)	-	0.0471	0.377	0.1	Pyrethrins (8003-34-7)	-	0.0471	0.377	1
Diazinon (333-41-5)	-	0.0471	0.377	0.2	Pyridaben (96489-71-3)	-	0.0471	0.377	0.2
Dimethoate (60-51-5)	-	0.0471	0.377	0.2	Spinosad (168316-95-8)	-	0.0471	0.377	0.2
Ethoprophos (13194-48-4)	-	0.0471	0.377	0.2	Spiromesifen (283594-90-1)	-	0.0471	0.377	0.2
Etofenprox (80844-07-1)	-	0.0471	0.377	0.4	Spirotetramat				
Etoxazole (153233-91-1)	-	0.0471	0.377	0.2	(203313-25-1)	-	0.0471	0.377	0.2
Fenoxycarb (72490-01-8)	-	0.0471	0.377	0.2	Spiroxamine	_	0.0471	0.377	0.4
(E)-Fenpyroximate (134098-61-6)	-	0.0471	0.377	0.4	(118134-30-8) Tebuconazole		0.0471	0.377	0.4
Fipronil (120068-37-3)	-	0.0471	0.377	0.4	(80443-41-0)		0.0471	0.577	0.4
Flonicamid (158062-67-0)	-	0.0471	0.377	1	Thiacloprid	_	0.0471	0.377	0.2
Fludioxinil (131341-86-1)	-	0.0471	0.377	0.4	(111988-49-9)				
Hexythiazox (78587-05-0)	-	0.0471	0.377	1	Thiamethoxam (153719-23-4)	-	0.0471	0.377	0.2
Imazalil (35554-44-0)	-	0.0471	0.377	0.2	Trifloxystrobin		00:-:	0.0==	
Imidacloprid (138261-41-3)	-	0.0471	0.377	0.4	(141517-21-7)		0.0471	0.377	0.2

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

<u>Pesticide</u>	Synonym(s)	<u>Pesticide</u>	Synonym(s)	<u>Pesticide</u>	Synonym(s)
Cyfluthrin	Baythroid	Myclobutanil	Systhane	Propiconazole	Tilt
DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethoprophos	Prophos	Phosmet	Imidan		











M00065C13131995523



## **CERTIFICATE OF ANALYSIS (SAMPLE ID: SA34759)**

Testing Location:Customer ID: 2161Order ID: OR10360Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower

 Greenbrier, AR 72058
 Fort Smith, AR 72903
 Production Run:
 Date Collected: 03/20/2023

 License: ADH 113
 License: 00065C
 6027H20230227D35-3
 Date Received: 03/21/2023

Cultivar (Strain) or Sample Description: Divinity 35

Date Completed: 03/24/2023

# **HEAVY METAL PROFILE (SOP: SOP-ICP-200.7)**

Analysis Date/Time: 3/21/2023 2355 (ICP/OES) Method: ICP/OES Deviations from SOP:

Analysis Date/Time: - (DMA) Instrument: Agilent 720-ES None

5601 Old Greenwood Rd Suite C

**Analyst:** KF

232 S. Broadview St.

<u>Heavy Metal</u>	<u>Result</u> (μg/kg)	<u>LOD</u> (μg/kg)	<u>LOQ</u> (μg/kg)	<u>Action Level</u> (μg/kg)
Arsenic (As)	-	59.0	93.5	200
Cadmium (Cd)	-	59.0	93.5	200
Lead (Pb)	-	59.0	93.5	500
Mercury (Hg)	_	59.0	93.5	100



**Mass:** 12g

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

RESULT < AL RESULT > AL

"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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Testing Location:Customer ID: 2161Sample ID: SA34759Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower232 S. Broadview St.5601 Old Greenwood Rd Suite CM00065C13131995523Mass: 12g

Greenbrier, AR 72058 Fort Smith, AR 72903 **Production Run:** Date Collected: 03/20/2023 License: ADA 05\_H273 License: 00065C 6027H20230227D35-3 Date Received: 03/21/2023 Cultivar (Strain) or Sample Description: Divinity 35 Date Completed: 03/24/2023

Cultivar (Strain) or Sample Description: Divinity 35

MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 20230322 1337 Method: Hardy Diagnostics CompactDry Deviations from SOP:

Analyst: PW Instrument: Thermo Incubator None

Bacteria/Microbe	<u>Result</u> (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	1
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)

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.

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