







SUMMARY OF ANALYSIS (SAMPLE ID: SA34601)

Testing Location:Customer ID: 2161Order ID: OR10335Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower232 S. Broadview St.5601 Old Greenwood Rd Suite CM00065C13139528964Mass: 23g

Greenbrier, AR 72058 Fort Smith, AR 72903 **Production Run:** Date Collected: 03/06/2023 License: ADH 113 License: 00065C 3024H20230113GP2-2 Date Received: 03/07/2023

Cultivar (Strain) or Sample Description:Grape Pie #2Date Completed: 03/12/2023

*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/FAIL

 12.4
 0.503 @ 24.3°C
 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>Cannabino</u>	ids (Top 3)	<u>(%)</u>	mg/g
TH	CA	23.0	230
СВ	GA	0.988	9.88
Δ9-7	ГНС	0.313	3.13
TOTA	L CBD	-	-
TOTA	LTHC	20.5	205
TOTAL CAN	NABINOIDS	24.7	247
<u>Terpenes (Top 5)</u>		<u>(%)</u>	µg/g
α-Bisa	abolol	1.11	11100
Caryophyl	lene oxide	0.395	3950
d-Lim	onene	0.304	3040
α-Pi	nene	0.158	1580
β-Pi	nene	0.110	1100
TOTAL T	ERPENES	2.49	24900
Contaminants	PASS/FAIL	Sample Picture Upon Receipt	

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





Scan the QR code to verify results.

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.













Testing Location:Customer ID: 2161ArkansasRiver Valley Relief Cultivation232 S. Broadview St.5601 Old Greenwood Rd Suite CGreenbrier, AR 72058Fort Smith, AR 72903

Cultivar (Strain) or Sample Description: Grape Pie #2

License: ADH 113 License: 00065C

Order ID: OR10335 Lot Number:

M00065C13139528964

Production Run: 3024H20230113GP2-2

Sample Type: Primary

Matrix: Flower **Mass:** 23g

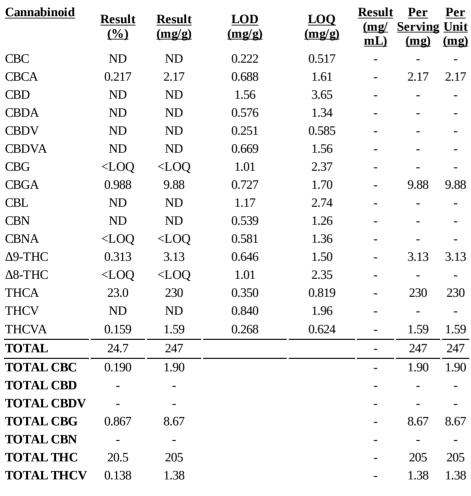
Date Collected: 03/06/2023 **Date Received:** 03/07/2023

Date Completed: 03/12/2023

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

Analysis Date/Time: 3/8/2023 1507 Method: HPLC/DAD Moisture Content (%): 12.4

Analyst: PW Instrument: Agilent 1100 Water Activity (aw): 0.503 @ 24.29°C





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

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.



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 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) + Δ 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.





[&]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

> Result **(%)**

> > 1.11

0.0315

0.108

0.395

0.0354

0.0356

0.304

0.0517

0.0423

0.0360

0.0664

0.158

0.110

Fort Smith, AR 72903 License: 00065C

Order ID: OR10335 Lot Number:

M00065C13139528964

Production Run: 3024H20230113GP2-2 Sample Type: Primary

Matrix: Flower **Mass:** 23g

Date Collected: 03/06/2023 **Date Received:** 03/07/2023

Date Completed: 03/12/2023

TERPENOID PROFILE

Analysis Date/Time:03/08/2023 2144

Cultivar (Strain) or Sample Description: Grape Pie #2

Result

 $(\mu g/g)$

11100

315

1080

3950

354

356

3040

517

423

360

664

1580

1100

Analyst: KF

Terpene

α-Bisabolol

Camphene

δ-3-Carene β-Caryophyllene

oxide p-Cymene Eucalyptol Geraniol

Guaiol

α-Humulene

Isopulegol

Linalool

β-Myrcene

cis-Nerolidol

α-Ocimene

β-Ocimene

α-Pinene

B-Pinene

α-Terpinene y-Terpinene Terpinolene

trans-Nerolidol

d-Limonene

Caryophyllene

Method: GC/MS

Instrument: Agilent 7890/5975

Deviations from SOP:

None



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

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.

"-" Not detected above RL

TOTAL 24900 2.49 Reporting Limit (µg/g): 44.7





Page 3 of 6

03/12/2023









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: OR10335

Lot Number:

M00065C13139528964

Production Run: 3024H20230113GP2-2 Sample Type: Primary

Matrix: Flower

Mass: 23g

Date Collected: 03/06/2023 **Date Received:** 03/07/2023

Date Completed: 03/12/2023

PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 03/08/2023 2008

Cultivar (Strain) or Sample Description: Grape Pie #2

Analyst: KF

Method: LC/MS/MS

Instrument: Shimadzu LC-8050

Deviations from SOP:

None

<u>Pesticide</u>	Result (μg/g)	<u>LOD</u> (μg/g)	LOQ (µg/g)	<u>Action</u> <u>Level</u> (μg/g)	<u>Pesticide</u>	Result (μg/g)	<u>LOD</u> (μg/g)	LOQ (µg/g)	<u>Action</u> <u>Level</u> (μg/g)
Abamectin (71751-41-2)	-	0.0447	0.357	0.5	Kresoxim-methyl	_	0.0447	0.357	0.4
Acephate (30560-19-1)	-	0.0447	0.357	0.4	(143390-89-0)				
Acequinocyl (57960-19-7)	-	0.0447	0.357	2	Malathion (121-75-5)	-	0.0447	0.357	0.2
Acetamiprid (135410-20-7)	-	0.0447	0.357	0.2	Metalaxyl (57837-19-1) Methiocarb (2032-65-7)	-	0.0447 0.0447	0.357 0.357	0.2 0.2
Aldicarb (116-06-3)	-	0.0447	0.357	0.4	Methomyl (16752-77-5)	-	0.0447	0.357	0.4
Azoxystrobin (131860-33-8)	-	0.0447	0.357	0.2	Methyl parathion (298-0-0)	-	0.0447	0.357	0.2
Bifenazate (149877-41-8)	-	0.0447	0.357	0.2	MGK 264 (113-48-4)	-	0.0447	0.357	0.2
Bifenthrin (82657-04-3)	-	0.0447	0.357	0.2	Myclobutanil	_	0.0447	0.357	0.2
Boscalid (188425-85-6)	-	0.0447	0.357	0.4	(88671-89-0)				
Carbaryl (63-25-2)	-	0.0447	0.357	0.2	Naled (300-76-5)	-	0.0447	0.357	0.5
Carbofuran (1563-66-2)	-	0.0447	0.357	0.2	Oxamyl (23135-22-0)	-	0.0447	0.357	1
Chlorantraniliprole (800008-45-7)	-	0.0447	0.357	0.2	Paclobutrazol (76738-62-0)	-	0.0447	0.357	0.4
Chlorfenapyr		0.0447	0.357	4	Permethrins (52645-53-1)	-	0.0447	0.357	0.2
(122453-73-0)	_	0.0447	0.357	1	Phosmet (732-11-6)	-	0.0447	0.357	0.2
Chlorpyrifos (2921-88-2)	-	0.0447	0.357	0.2	Piperonyl butoxide	_	0.0447	0.357	2
Clofentezine (74115-24-5)	-	0.0447	0.357	0.2	(51-03-6)				
Cyfluthrin (68359-37-5)	-	0.0447	0.357	1	Prallethrins (2331-36-9)	-	0.0447	0.357	0.2
Cypermethrin (52315-07-8)	-	0.0447	0.357	1	Propiconazole (60207-90-1))	-	0.0447	0.357	0.4
Daminozide (1596-84-5)	_	0.0447	0.357	1	Propoxur (114-26-1)	-	0.0447	0.357	0.2
DDVP (62-73-7)	_	0.0447	0.357	0.1	Pyrethrins (8003-34-7)	-	0.0447	0.357	1
Diazinon (333-41-5)	_	0.0447	0.357	0.2	Pyridaben (96489-71-3)	-	0.0447	0.357	0.2
Dimethoate (60-51-5)	-	0.0447	0.357	0.2	Spinosad (168316-95-8)	-	0.0447	0.357	0.2
Ethoprophos (13194-48-4)	-	0.0447	0.357	0.2	Spiromesifen (283594-90-1)	-	0.0447	0.357	0.2
Etofenprox (80844-07-1)	-	0.0447	0.357	0.4	Spirotetramat		0.0445	0.055	0.0

Spirotetramat

Spiroxamine

Tebuconazole

(80443-41-0)

Thiacloprid (111988-49-9)

Thiamethoxam

(153719-23-4)

Trifloxystrobin

(141517-21-7)

(203313-25-1)



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

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.

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.

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

0.0447

0.0447

0.0447

0.0447

0.0447

0.0447

0.357

0.357

0.357

0.357

0.357

0.357

0.2

0.4

0.4

0.2

0.2

0.2

<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		



Etoxazole (153233-91-1)

Fenoxycarb (72490-01-8)

Fipronil (120068-37-3)

Flonicamid (158062-67-0)

Fludioxinil (131341-86-1)

Hexythiazox (78587-05-0)

Imazalil (35554-44-0)

Imidacloprid

(138261-41-3)

(E)-Fenpyroximate (134098-61-6)

0.0447

0.0447

0.0447

0.0447

0.0447

0.0447

0.0447

0.0447

0.0447

0.357

0.357

0.357

0.357

0.357

0.357

0.357

0.357

0.357

0.2

0.2

0.4

0.4

1

0.4

1

0.2

0.4











Testing Location:Customer ID: 2161Order ID: OR10335Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower

 232 S. Broadview St.
 5601 Old Greenwood Rd Suite C
 M00065C13139528964
 Mass: 23g

 Greenbrier, AR 72058
 Fort Smith, AR 72903
 Production Run:
 Date Collected: 03/06/2023

 License: ADH 113
 License: 00065C
 3024H20230113GP2-2
 Date Received: 03/07/2023

Cultivar (Strain) or Sample Description: Grape Pie #2

Date Completed: 03/12/2023

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

Analysis Date/Time: 3/10/2023 0824 (ICP/OES) Method: ICP/OES Deviations from SOP:

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

Analyst: KF

<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)	-	58.3	92.3	200
Cadmium (Cd)	-	58.3	92.3	200
Lead (Pb)	-	58.3	92.3	500
Mercury (Hg)	_	58.3	92.3	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

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.

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.













Testing Location:Customer ID: 2161Sample ID: SA34601Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower232 S. Broadview St.5601 Old Greenwood Rd Suite CM00065C13139528964Mass: 23g

Greenbrier, AR 72058 Fort Smith, AR 72903 **Production Run:** Date Collected: 03/06/2023 License: ADA 05_H273 License: 00065C 3024H20230113GP2-2 Date Received: 03/07/2023 Cultivar (Strain) or Sample Description: Grape Pie #2 Date Completed: 03/12/2023

MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 20230309 113 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.

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.



