







SUMMARY OF ANALYSIS (SAMPLE ID: SA38445)

Testing Location:	Customer ID: 2161	Order ID: OR11111	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13136459163	Mass: 9g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 07/22/2024
License: ADH 113	License: 00065C	6069H20240709SMC-3	Date Received: 07/23/2024
Cultivar (Strain) or Sample Des	Date Completed: 07/24/2024		

*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.

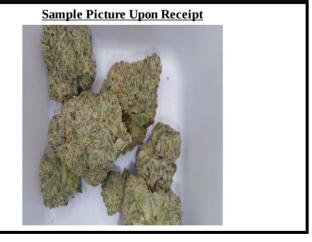
Moisture Content (%)	Water Activity (aw)	PASS/FAIL
11.1	0.476 @ 24.2°C	PASS

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.

Cannabinoids (Top 3)	<u>(%)</u>	<u>mg</u> /g
THCA	32.2	322
CBGA	2.08	20.8
THCVA	0.0712	0.712
TOTAL CBD	-	-
TOTAL THC	28.3	283
TOTAL CANNABINOIDS	34.4	344
<u>Terpenes (Top 5)</u>	<u>(%)</u>	µg∕g
<u>Terpenes (Top 5)</u> β-Caryophyllene	<u>(%)</u> 0.843	<mark>µg/g</mark> 8430
β-Caryophyllene	0.843	8430
β-Caryophyllene d-Limonene	0.843 0.722	8430 7220
β-Caryophyllene d-Limonene Linalool	0.843 0.722 0.377	8430 7220 3770

PASS/FAIL	
PASS	
PASS	
PASS	
•	





Scan the QR code to verify results.

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REPORT OF LABORATORY ANALYSIS

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

Analysis Date/Time: 07/23/2024 1446 Analyst: PW

Method: HPLC/DAD **Instrument:** Agilent 1100 Moisture Content (%): 11.1 Water Activity (aw): 0.476 @ 24.2°C

<u>Cannabinoid</u>	<u>Result</u> (%)	<u>Result</u> (mg/g)	LOD (mg/g)	LOQ (mg/g)	<u>Result</u> (<u>mg/</u> <u>mL)</u>		<u>Per</u> g <u>Unit</u> (mg)
CBC	ND	ND	0.0452	0.106	-	-	-
CBCA	ND	ND	0.141	0.328	-	-	-
CBD	ND	ND	0.319	0.745	-	-	-
CBDA	ND	ND	0.117	0.274	-	-	-
CBDV	ND	ND	0.0512	0.119	-	-	-
CBDVA	ND	ND	0.137	0.319	-	-	-
CBG	ND	ND	0.207	0.484	-	-	-
CBGA	2.08	20.8	0.294	0.346	-	18.5	18.5
CBL	ND	ND	0.239	0.559	-	-	-
CBN	ND	ND	0.110	0.257	-	-	-
CBNA	ND	ND	0.119	0.277	-	-	-
Δ9-ΤΗC	0.0598	0.598	0.132	0.307	-	0.532	0.532
$\Delta 8$ -THC	ND	ND	0.206	0.480	-	-	-
THCA	32.2	322	0.0714	0.167	-	286	286
THCV	ND	ND	0.171	0.400	-	-	-
THCVA	0.0712	0.712	0.0548	0.127	-	0.633	0.633
TOTAL	34.4	344	,		-	306	306
TOTAL CBC	-	-	,		-	_	-
TOTAL CBD	-	-			-	-	-
TOTAL CBDV	-	-			-	-	-
TOTAL CBG	1.82	18.2			-	16.2	16.2
TOTAL CBN	-	-			-	-	-
TOTAL THC	28.3	283			-	252	252
TOTAL THCV	0.0618	0.618			-	0.549	0.549

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

"-" Not detected above LOD.

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 x 0.877) + CBD Total CBDV = (CBDVA x 0.867) + CBDV Total CBG = $(CBGA \times 0.878) + CBG$ 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.

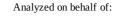




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Testing Location: Customer ID: 2161 Arkansas **River Valley Relief Cultivation** 232 S. Broadview St. 5601 Old Greenwood Rd Suite C Greenbrier, AR 72058 Fort Smith, AR 72903 License: ADH 113 License: 00065C Cultivar (Strain) or Sample Description: SunMac

Order ID: OR11111 Lot Number: M00065C13136459163 **Production Run:** 6069H20240709SMC-3

Sample Type: Primary Matrix: Flower Mass: 9g Date Collected: 07/22/2024 Date Received: 07/23/2024 Date Completed: 07/24/2024

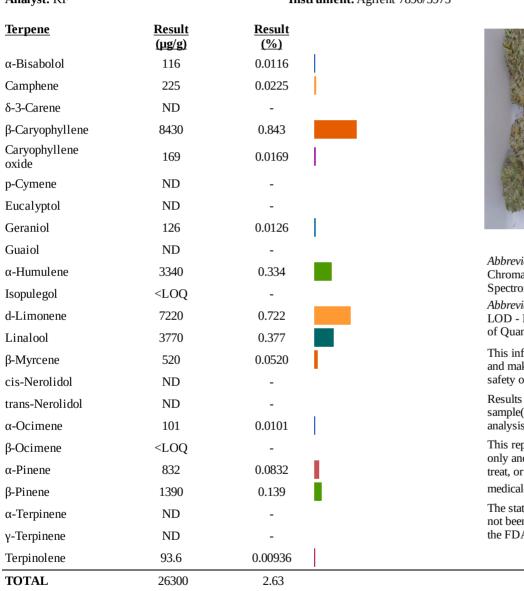
Analyst: KF Terpene **Result** $(\mu g/g)$ α-Bisabolol 116 Camphene 225 δ-3-Carene ND β-Caryophyllene 8430 Caryophyllene

Analysis Date/Time:07/23/2024 1951

TERPENOID PROFILE

Method: GC/MS Instrument: Agilent 7890/5975

Deviations from SOP: None



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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Reporting Limit (µg/g): 49.6

"-" Not detected above LOD.













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License: ADH 113	License: 00065C	6069H20240709SMC-3	Date Received: 07/23/2024
Cultivar (Strain) or Sample D	Date Completed: 07/24/2024		

PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time:	: 07/23/2	2024 160	6		Method: LC/MS/MS		Devia	Deviations from SOP:		
Analyst: KF					Instrument: Shima	dzu LC-8	8050		None	
<u>Pesticide</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> Level (µg/g)	<u>Pesticide</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	LOQ (µg/g)	<u>Action</u> Level (µg/g)	See.
Abamectin (71751-41-2)	-	0.0493	0.395	0.5	Kresoxim-methyl (143390-89-0)	_	0.0493	0.395	0.4	GA AS
Acephate (30560-19-1)	-	0.0493	0.395	0.4	(143390-09-0) Malathion (121-75-5)		0.0493	0.395	0.2	and the second s
Acequinocyl (57960-19-7)	-	0.0493	0.395	2	Metalaxyl (57837-19-1)	-	0.0493	0.395	0.2	ettine
Acetamiprid (135410-20-7)	-	0.0493	0.395	0.2	Methiocarb (2032-65-7)		0.0493	0.395	0.2	<u>Color Key</u>
Aldicarb (116-06-3)	-	0.0493	0.395	0.4	Methomyl (16752-77-5)	-	0.0493	0.395	0.4	RESULT < AI
Azoxystrobin (131860-33-8)	-	0.0493	0.395	0.2	Methyl parathion (298-0-0)	-	0.0493	0.395	0.2	RESULT > AI
Bifenazate (149877-41-8)	-	0.0493	0.395	0.2	MGK 264 (113-48-4)	-	0.0493	0.395	0.2	"DET" detected less tl
Bifenthrin (82657-04-3)	-	0.0493	0.395	0.2	Myclobutanil		0.0493	0.395	0.2	"-" not detected a
Boscalid (188425-85-6)	-	0.0493	0.395	0.4	(88671-89-0)	-	0.0493	0.395	0.2	- not detected at LOD
Carbaryl (63-25-2)	-	0.0493	0.395	0.2	Naled (300-76-5)	-	0.0493	0.395	0.5	
Carbofuran (1563-66-2)	-	0.0493	0.395	0.2	Oxamyl (23135-22-0)	-	0.0493	0.395	1	Permethrins measure cumulative residue of t
Chlorantraniliprole (800008-45-7)	-	0.0493	0.395	0.2	Paclobutrazol (76738-62-0)	-	0.0493	0.395	0.4	trans-permethrin is
Chlorfenapyr	_	0.0493	0.395	1	Permethrins (52645-53-1)	-	0.0493	0.395	0.2	Pyrethrins measured cumulative residue
(122453-73-0)	-	0.0495	0.395	1	Phosmet (732-11-6)	-	0.0493	0.395	0.2	pyrethrin I, cinerin I, an
Chlorpyrifos (2921-88-2)	-	0.0493	0.395	0.2	Piperonyl butoxide	-	0.0493	0.395	2	I isomers.
Clofentezine (74115-24-5)	-	0.0493	0.395	0.2	(51-03-6) Prallethrins (2331-36-9)		0.0493	0.395	0.2	Action levels a
Cyfluthrin (68359-37-5)	-	0.0493	0.395	1	Propiconazole	-		0.393	0.2	referenced from the S
Cypermethrin (52315-07-8)	-	0.0493	0.395	1	(60207-90-1))	-	0.0493	0.395	0.4	Arkansas MMJ testing
Daminozide (1596-84-5)	_	0.0493	0.395	1	Propoxur (114-26-1)	-	0.0493	0.395	0.2	guidelines.
DDVP (62-73-7)		0.0493	0.395	0.1	Pyrethrins (8003-34-7)	-	0.0493	0.395	1	A value of "-" for the ac
Diazinon (333-41-5)	_	0.0493	0.395	0.2	Pyridaben (96489-71-3)	-	0.0493	0.395	0.2	means that analyte
Dimethoate (60-51-5)	-	0.0493	0.395	0.2	Spinosad (168316-95-8)	-	0.0493	0.395	0.2	currently regulated regulations reference
Ethoprophos (13194-48-4)	_	0.0493	0.395	0.2	Spiromesifen	_	0.0493	0.395	0.2	regulations reference
Etofenprox (80844-07-1)	_	0.0493	0.395	0.4	(283594-90-1)		010 100	0.000	0.2	Disclaimer: This info
Etoxazole (153233-91-1)	-	0.0493	0.395	0.2	Spirotetramat (203313-25-1)	-	0.0493	0.395	0.2	provided as a service a no claims of efficacy an
Fenoxycarb (72490-01-8)	-	0.0493	0.395	0.2	Spiroxamine					of this product. Res
(E)-Fenpyroximate (134098-61-6)	-	0.0493	0.395	0.4	(118134-30-8) Tebuconazole	-	0.0493	0.395	0.4	applicable only for the analyzed and for the analysis conducted. Th
Fipronil (120068-37-3)	-	0.0493	0.395	0.4	(80443-41-0)	-	0.0493	0.395	0.4	for informational purp
Flonicamid (158062-67-0)	-	0.0493	0.395	1	Thiacloprid		0.0493	0.395	0.2	and should not be u
Fludioxinil (131341-86-1)	-	0.0493	0.395	0.4	(111988-49-9)		0.0433	0.555	0.2	diagnose, treat, or pre medical-related sympt
Hexythiazox (78587-05-0)	-	0.0493	0.395	1	Thiamethoxam (153719-23-4)	-	0.0493	0.395	0.2	statements and results h
Imazalil (35554-44-0)	-	0.0493	0.395	0.2	(153719-25-4) Trifloxystrobin					not been approved a endorsed by the F
Imidacloprid (138261-41-3)	-	0.0493	0.395	0.4	(141517-21-7)	-	0.0493	0.395	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>	<u>Synonym(s)</u>	Pesticide	Synonym(s)	Pesticide	<u>Synonym(s)</u>
Cyfluthrin	Baythroid	Myclobutanil	Systhane	Propiconazole	Tilt
DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethoprophos	Prophos	Phosmet	Imidan		



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ted less than LOQ etected above LOD s measured as the sidue of the *cis* - and nethrin isomers. measured as the

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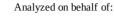
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HEAVY METAL PROFILE (SOP: SOP-ICP-200.6)

Analysis Date/Time: 07/23/2024 1819		Method: IC Instrumen	CP/MS t: Agilent 7500ce	Deviations from SOP: None	
Analyst: KF				C	
<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)	-	59.3	93.9	200	Stell's months
Cadmium (Cd)	-	59.3	93.9	200	Server de sales -
Lead (Pb)	-	59.3	93.9	500	
Mercury (Hg)	-	59.3	93.9	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

<u>Color Key</u>



"DET" detected less than LOQ

"-" not detected above LOD

Action levels for heavy metals are referenced from the State of Arkansas MMJ testing guidelines.

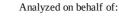
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License: ADA 05_H273	License: 00065C	6069H20240709SMC-3	Date Received: 07/23/2024
Cultivar (Strain) or Sample I	Date Completed: 07/24/2024		

MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 07/24/20 Analyst: PW		Hardy Diagnostics CompactDry ent: Thermo Incubator	Deviations from SOP: None
Bacteria/Microbe	<u>Result</u> (CFU/g)	<u>Action Level</u> (CFU/g)	
Aerobic Plate Count	NT	-	Start and
Coliforms, Total	Absent	1	CAN A SALA
Escherichia Coli (E. Coli)	Absent	100	
Mold/Yeast	NT	-	Existing the man
Pseudomonas aeruginosa	NT	-	2 Carton Carton
Salmonella spp.	NT	-	
Staphylococcus aureus	NT	-	BRACK

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





1

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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