







SUMMARY OF ANALYSIS (SAMPLE ID: SA36814)

Testing Location:Customer ID: 2161Order ID: OR10801Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower232 S. Broadview St.5601 Old Greenwood Rd Suite CM00065C13130423951Mass: 23g

Greenbrier, AR 72058 Fort Smith, AR 72903 **Production Run:** Date Collected: 01/04/2024 License: ADH 113 License: 00065C 7049H20231122SMC-1 Date Received: 01/04/2024 Cultivar (Strain) or Sample Description: SunMac Date Completed: 01/08/2024

*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

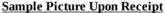
 10.8
 0.444 @ 24.3°C
 PASS

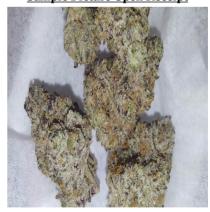
Moisture content/water activity action levels are referenced from the State of Arkansas MMJ testing guidelines.

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

<u>Cannabin</u>	oids (Top 3)	<u>(%)</u>	mg/g
TH	CA	30.4	304
CB	GA	1.45	14.5
Δ9-	ГНС	0.251	2.51
TOTA	L CBD	-	1
TOTA	LTHC	26.9	269
TOTAL CAN	NABINOIDS	32.2	322
<u>Terpene</u>	s (Top 5)	<u>(%)</u>	µg/g
d-Lin	onene	0.265	2650
Lina	lool	0.184	1840
β-Caryo	phyllene	0.0879	879
β-Pi	nene	0.0618	618
α-Hur	nulene	0.0495	495
TOTAL T	ERPENES	0.766	7660
Contaminants	DASS/EAH	Cl- D:	a Upan Dagaint

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.













CERTIFICATE OF ANALYSIS (SAMPLE ID: SA36814)

Testing Location:Customer ID: 2161Order ID: OR10801Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower232 S. Broadview St.5601 Old Greenwood Rd Suite CM00065C13130423951Mass: 23g

Greenbrier, AR 72058 Fort Smith, AR 72903 **Production Run:** Date Collected: 01/04/2024 License: ADH 113 License: 00065C 7049H20231122SMC-1 Date Received: 01/04/2024 Cultivar (Strain) or Sample Description: SunMac Date Completed: 01/08/2024

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

Analysis Date/Time: 01/05/2024 1720 Method: HPLC/DAD Moisture Content (%): 10.8

Analyst: PW Instrument: Agilent 1100 Water Activity (aw): 0.444 @ 24.3°C

<u>Cannabinoid</u>	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)	Result (mg/ mL)	<u>Per</u> Serving (mg)	Per Unit (mg)
CBC	ND	ND	0.0437	0.102	-	-	-
CBCA	ND	ND	0.136	0.317	-	-	-
CBD	ND	ND	0.308	0.720	-	-	-
CBDA	ND	ND	0.113	0.265	-	-	-
CBDV	ND	ND	0.0495	0.115	-	-	-
CBDVA	ND	ND	0.132	0.308	-	-	-
CBG	0.0718	0.718	0.200	0.467	-	0.641	0.641
CBGA	1.45	14.5	0.284	0.335	-	13.0	13.0
CBL	ND	ND	0.231	0.540	-	-	-
CBN	ND	ND	0.106	0.248	-	-	-
CBNA	ND	ND	0.115	0.267	-	-	-
Δ9-ΤΗС	0.251	2.51	0.127	0.297	-	2.24	2.24
Δ8-ΤΗС	ND	ND	0.199	0.464	-	-	-
THCA	30.4	304	0.0690	0.161	-	271	271
THCV	ND	ND	0.166	0.386	-	-	-
THCVA	0.0643	0.643	0.0529	0.123	-	0.574	0.574
TOTAL	32.2	322				287	287
TOTAL CBC	-	-			-	-	-
TOTAL CBD	-	-			-	-	-
TOTAL CBDV	-	-			-	-	-
TOTAL CBG	1.35	13.5			-	12.0	12.0
TOTAL CBN	-	-			-	-	-
TOTAL THC	26.9	269			-	240	240
TOTAL THCV	0.0558	0.558			-	0.497	0.497

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

"-" 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 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.







Cultivar (Strain) or Sample Description: SunMac

License: ADH 113







CERTIFICATE OF ANALYSIS (SAMPLE ID: SA36814)

Customer ID: 2161 **Testing Location:** Arkansas River Valley Relief Cultivation 232 S. Broadview St. 5601 Old Greenwood Rd Suite C Greenbrier, AR 72058

Fort Smith, AR 72903 License: 00065C

Order ID: OR10801 Lot Number: M00065C13130423951 **Production Run:** 7049H20231122SMC-1

Sample Type: Primary Matrix: Flower Mass: 23g

Date Collected: 01/04/2024 Date Received: 01/04/2024

Date Completed: 01/08/2024

TERPENOID PROFILE

Analysis Date/Time:01/06/2024 0625 Method: GC/MS **Deviations from SOP: Analyst:** KF Instrument: Agilent 7890/5975 None

3			8 - 1 - 1 - 1 - 1 - 1
<u>Terpene</u>	<u>Result</u> (μg/g)	Result (%)	
α -Bisabolol	<loq< td=""><td>-</td><td>The second secon</td></loq<>	-	The second secon
Camphene	145	0.0145	
δ-3-Carene	5.97	0.000597	
β-Caryophyllene	879	0.0879	
Caryophyllene oxide	4.48	0.000448	
p-Cymene	15.7	0.00157	
Eucalyptol	2.98	0.000298	
Geraniol	5.97	0.000597	
Guaiol	ND	-	Abbreviations: GC - Gas
α-Humulene	495	0.0495	Chromatography, MS - Mass
Isopulegol	ND	-	Spectrometry, RL - Reporting Limit
d-Limonene	2650	0.265	Abbreviations: ND - Not Detected, , LOD - Limit of Detection, LOQ - Limit
Linalool	1840	0.184	of Quantitation
β-Myrcene	238	0.0238	This information is provided as a service and makes no claims of efficacy and/or
cis-Nerolidol	ND	-	safety of this product.
trans-Nerolidol	71.6	0.00716	Results are applicable only for the sample(s) analyzed and for the specific
α-Ocimene	53.7	0.00537	analysis conducted.
β-Ocimene	73.1	0.00731	This report is for informational purposes only and should not be used to diagnose,
α-Pinene	492	0.0492	treat, or prevent any
β-Pinene	618	0.0618	medical-related symptoms.
α-Terpinene	8.21	0.000821	The statements and results herein have not been approved and/or endorsed by
γ-Terpinene	10.4	0.00104	the FDA.
Terpinolene	55.2	0.00552	
TOTAL	7660	0.766	Reporting Limit (µg/g):

Reporting Limit (µg/g): 1.87

"-" Not detected above LOD.





Page 3 of 6

01/08/2024



License: ADH 113





7049H20231122SMC-1



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA36814)

Testing Location:Customer ID: 2161Order ID: OR10801Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower

232 S. Broadview St. 5601 Old Greenwood Rd Suite C M00065C13130423951 Mass: 23g
Greenbrier, AR 72058 Fort Smith, AR 72903 Production Run: Date Collected: 01/04/2024

Cultivar (Strain) or Sample Description: SunMac Date Completed: 01/08/2024

PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 01/05/2024 1740 Method: LC/MS/MS Deviations from SOP:

Analyst: KF Instrument: Shimadzu LC-8050 None

License: 00065C

<u>Pesticide</u>	Result (μg/g)	<u>LOD</u> (μg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> <u>Level</u> (μg/g)	<u>Pesticide</u>	Result (μg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> <u>Level</u> (μg/g)
Abamectin (71751-41-2)	-	0.0476	0.381	0.5	Kresoxim-methyl	_	0.0476	0.381	0.4
Acephate (30560-19-1)	-	0.0476	0.381	0.4	(143390-89-0)				
Acequinocyl (57960-19-7)	-	0.0476	0.381	2	Malathion (121-75-5)	-	0.0476	0.381	0.2
Acetamiprid (135410-20-7)	-	0.0476	0.381	0.2	Metalaxyl (57837-19-1) Methiocarb (2032-65-7)	-	0.0476 0.0476	0.381 0.381	0.2 0.2
Aldicarb (116-06-3)	_	0.0476	0.381	0.4	Methomyl (16752-77-5)	_	0.0476	0.381	0.4
Azoxystrobin (131860-33-8)	-	0.0476	0.381	0.2	Methyl parathion (298-0-0)	-	0.0476	0.381	0.2
Bifenazate (149877-41-8)	-	0.0476	0.381	0.2	MGK 264 (113-48-4)	-	0.0476	0.381	0.2
Bifenthrin (82657-04-3)	_	0.0476	0.381	0.2	Myclobutanil		0.0476	0.201	0.2
Boscalid (188425-85-6)	_	0.0476	0.381	0.4	(88671-89-0)	-	0.0476	0.381	0.2
Carbaryl (63-25-2)	_	0.0476	0.381	0.2	Naled (300-76-5)	-	0.0476	0.381	0.5
Carbofuran (1563-66-2)	_	0.0476	0.381	0.2	Oxamyl (23135-22-0)	-	0.0476	0.381	1
Chlorantraniliprole (800008-45-7)	-	0.0476	0.381	0.2	Paclobutrazol (76738-62-0)	-	0.0476	0.381	0.4
Chlorfenapyr					Permethrins (52645-53-1)	-	0.0476	0.381	0.2
(122453-73-0)	-	0.0476	0.381	1	Phosmet (732-11-6)	-	0.0476	0.381	0.2
Chlorpyrifos (2921-88-2)	-	0.0476	0.381	0.2	Piperonyl butoxide	_	0.0476	0.381	2
Clofentezine (74115-24-5)	-	0.0476	0.381	0.2	(51-03-6)		0.0450	0.004	0.0
Cyfluthrin (68359-37-5)	-	0.0476	0.381	1	Prallethrins (2331-36-9)	-	0.0476	0.381	0.2
Cypermethrin (52315-07-8)	-	0.0476	0.381	1	Propiconazole (60207-90-1))	-	0.0476	0.381	0.4
Daminozide (1596-84-5)	-	0.0476	0.381	1	Propoxur (114-26-1)	-	0.0476	0.381	0.2
DDVP (62-73-7)	-	0.0476	0.381	0.1	Pyrethrins (8003-34-7)	-	0.0476	0.381	1
Diazinon (333-41-5)	-	0.0476	0.381	0.2	Pyridaben (96489-71-3)	-	0.0476	0.381	0.2
Dimethoate (60-51-5)	-	0.0476	0.381	0.2	Spinosad (168316-95-8)	-	0.0476	0.381	0.2
Ethoprophos (13194-48-4)	-	0.0476	0.381	0.2	Spiromesifen (283594-90-1)	_	0.0476	0.381	0.2
Etofenprox (80844-07-1)	-	0.0476	0.381	0.4	Spirotetramat				
Etoxazole (153233-91-1)	-	0.0476	0.381	0.2	(203313-25-1)	-	0.0476	0.381	0.2
Fenoxycarb (72490-01-8)	-	0.0476	0.381	0.2	Spiroxamine		0.0476	0.381	0.4
(E)-Fenpyroximate (134098-61-6)	-	0.0476	0.381	0.4	(118134-30-8) Tebuconazole		0.0476	0.381	0.4
Fipronil (120068-37-3)	-	0.0476	0.381	0.4	(80443-41-0)	_	0.0476	0.301	0.4
Flonicamid (158062-67-0)	-	0.0476	0.381	1	Thiacloprid	_	0.0476	0.381	0.2
Fludioxinil (131341-86-1)	-	0.0476	0.381	0.4	(111988-49-9)				
Hexythiazox (78587-05-0)	-	0.0476	0.381	1	Thiamethoxam (153719-23-4)	-	0.0476	0.381	0.2
Imazalil (35554-44-0)	-	0.0476	0.381	0.2	Trifloxystrobin				
Imidacloprid (138261-41-3)	-	0.0476	0.381	0.4	(141517-21-7)		0.0476	0.381	0.2



Color Key

Date Received: 01/04/2024

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.

 $\begin{array}{c} \text{Action levels are referenced from} \\ \text{the} \end{array}$

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

<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		













CERTIFICATE OF ANALYSIS (SAMPLE ID: SA36814)

Testing Location:Customer ID: 2161Order ID: OR10801Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower232 S. Broadview St.5601 Old Greenwood Rd Suite CM00065C13130423951Mass: 23g

Greenbrier, AR 72058 Fort Smith, AR 72903 **Production Run: Date Collected:** 01/04/2024 License: ADH 113 License: 00065C 7049H20231122SMC-1 **Date Received:** 01/04/2024 **Cultivar (Strain) or Sample Description:** SunMac **Date Completed:** 01/08/2024

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

Analysis Date/Time: 01/05/2024 2028 (ICP/OES) Method: ICP/MS Deviations from SOP:

Analysis Date/Time: - (DMA) Instrument: Agilent 7500ce 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)	-	59.3	93.9	200
Cadmium (Cd)	-	59.3	93.9	200
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

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.













CERTIFICATE OF ANALYSIS (SAMPLE ID: SA36814)

Testing Location:Customer ID: 2161Sample ID: SA36814Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower232 S. Broadview St.5601 Old Greenwood Rd Suite CM00065C13130423951Mass: 23g

 Greenbrier, AR 72058
 Fort Smith, AR 72903
 Production Run:
 Date Collected: 01/04/2024

 License: ADA 05_H273
 License: 00065C
 7049H20231122SMC-1
 Date Received: 01/04/2024

Cultivar (Strain) or Sample Description: SunMac Date Completed: 01/08/2024

MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 01/06/2024 1130 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	-
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.



