

SUMMARY OF ANALYSIS (SAMPLE ID: SA37428)

Testing Location: Arkansas 232 S. Broadview St. Greenbrier, AR 72058 License: ADA 05_H273	Customer ID: 2240 MaxOrizonz LLC PO Box 3373 Pearland, TX 77588 License: Not Entered or N/A	Order ID: OR10917 Lot Number: Not Entered Batch Number: Not Entered	Sample Type: Primary Matrix: Lotion/Salve Mass: 1fl oz Date Collected: 03/07/2024 Date Received: 03/20/2024
Cultivar (Strain) or Sample Description: Cedar Eucalyptus Salve			Date Completed: 03/22/2024

*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
Not Tested	Not Tested	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
Δ8-THC	1.90	19.0
Δ9-THC	0.166	1.66
CBN	0.00685	0.0685
TOTAL CBD	0.00508	0.0508
TOTAL THC	0.166	1.66
TOTAL CANNABINOIDs	2.08	20.8

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

Sample Picture Upon Receipt



Scan the QR code to verify results.

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Kyle W. Felling
Kyle W. Felling, Ph.D.
Laboratory Director



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA37428)

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

Analysis Date/Time: 03/20/2024 1313

Analyst: PW

Method: HPLC/DAD

Instrument: Agilent 1100

Moisture Content (%): -

Water Activity (aw): -

Cannabinoid	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)	Result (mg/mL)	Per Serving (mg)	Per Unit (mg)
CBC	ND	ND	0.00211	0.00493	-	-	-
CBCA	ND	ND	0.00656	0.0153	-	-	-
CBD	0.00508	0.0508	0.0149	0.0348	-	0.0508	1.52
CBDA	ND	ND	0.00548	0.0128	-	-	-
CBDV	0.00225	0.0225	0.00239	0.00557	-	0.0225	0.676
CBDVA	ND	ND	0.00637	0.0149	-	-	-
CBG	ND	ND	0.00967	0.0226	-	-	-
CBGA	ND	ND	0.0137	0.0162	-	-	-
CBL	ND	ND	0.0112	0.0261	-	-	-
CBN	0.00685	0.0685	0.00513	0.0120	-	0.0685	2.05
CBNA	ND	ND	0.00554	0.0129	-	-	-
Δ9-THC	0.166	1.66	0.00615	0.0143	-	1.66	49.7
Δ8-THC	1.90	19.0	0.00959	0.0224	-	19.0	570
THCA	ND	ND	0.00333	0.00780	-	-	-
THCV	ND	ND	0.00800	0.0186	-	-	-
THCVA	ND	ND	0.00256	0.00594	-	-	-
TOTAL	2.08	20.8			-	20.8	624
TOTAL CBC	-	-			-	-	-
TOTAL CBD	0.00508	0.0508			-	0.0508	1.52
TOTAL CBDV	0.00225	0.0225			-	0.0225	0.676
TOTAL CBG	-	-			-	-	-
TOTAL CBN	0.00685	0.0685			-	0.0685	2.05
TOTAL THC	0.166	1.66			-	1.66	49.7
TOTAL THCV	-	-			-	-	-



SERVING MASS (g): 1.00
SERVINGS/UNIT: 30

"- 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) + 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, UM - Measurement Uncertainty

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Signature
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RESIDUAL SOLVENT PROFILE (SOP: SOP-RS-001)

Analysis Date/Time: 03/21/2024 1547	Method: HS/GC/MS	Deviations from SOP:
Analyst: KF	Instrument: Agilent 7890/5975	None

Solvent	Result ($\mu\text{g/g}$)	LOD ($\mu\text{g/g}$)	LOQ ($\mu\text{g/g}$)	Action Level ($\mu\text{g/g}$)	Solvent	Result ($\mu\text{g/g}$)	LOD ($\mu\text{g/g}$)	LOQ ($\mu\text{g/g}$)	Action Level ($\mu\text{g/g}$)	Image
Acetone (67-64-1)	-	137	274	5000	n-Heptane (142-82-5)	-	137	274	5000	
Acetonitrile (75-5-8)	-	137	274	410	n-Hexane (110-54-3)	-	48.0	96.1	290	
Benzene (71-43-2)	-	1.37	2.74	2	Isobutane (75-28-5)	-	137	274	5000	
n-Butane (106-97-2)	-	137	274	5000	Isopropanol (67-63-0)	-	137	274	5000	
1-Butanol (71-36-3)	-	137	274	5000	Isopropyl acetate (108-21-4)	-	137	274	5000	
2-Butanol (78-92-2)	-	137	274	5000	Isopropyl benzene (98-82-8)	-	13.7	27.4	70	
2-Butanone (78-93-3)	-	137	274	3880	Methanol (67-56-1)	-	137	274	3000	
Cyclohexane (110-82-7)	-	137	274	100	2-Methylbutane (78-78-4)	-	137	274	5000	
1,2-Dimethoxyethane (110-71-4)	-	13.7	27.4	100	Methylene chloride (75-9-2)	-	137	274	600	
N,N-Dimethylacetamide (127-19-5)	-	137	274	1090	2-Methylpentane (107-83-5)	-	48.0	96.1	290	
2,2-Dimethylbutane (75-83-2)	-	48.0	96.1	290	3-Methylpentane (96-10-0)	-	48.0	96.1	290	"DET" detected less than LOQ
2,3-Dimethylbutane (79-29-8)	-	48.0	96.1	290	n-Pentane (109-66-0)	-	137	274	5000	"-" not detected above LOD
N,N-Dimethylformamide (68-12-2)	-	137	274	880	1-Pentanol (71-41-0)	-	137	274	5000	"*"- o,m,p-Xylene and Ethylbenzene
Dimethylsulfoxide (67-68-5)	-	137	274	5000	n-Propane (74-98-6)	-	137	274	5000	Action levels are referenced from the State of Arkansas MMJ testing guidelines.
1,4-Dioxane (123-91-1)	-	137	274	380	1-Propanol (71-23-8)	-	137	274	5000	A value of "-" for the action level means that analyte is not currently regulated by the regulations referenced above.
Ethanol (64-17-5)	-	137	274	5000	Pyridine (110-86-1)	-	48.0	96.1	200	
2-Ethoxyethanol (110-80-5)	-	48.0	96.1	160	Tetrahydrofuran (109-99-9)	-	137	274	720	
Ethyl ether (60-29-7)	-	137	274	5000	Tetramethylene sulfone (126-33-0)	-	48.0	96.1	160	
Ethyl acetate (141-78-6)	-	137	274	5000	Ethyl ether (108-88-3)	-	137	274	890	
Ethyl benzene (100-41-4)	-	137	274	2170	o-Xylene (95-47-6)	-	137	274	2170	
Ethylene glycol (107-21-1)	-	137	274	620	m,p-Xylene (108-38-3 or 106-42-3)	-	137	274	2170	
Ethylene oxide (75-21-8)	-	13.7	27.4	50	Xylenes* (1330-20-7)	-	43.3	86.7	2170	

Color Key

RESULT < AL

RESULT > AL

"DET" detected less than LOQ

"-" not detected above LOD

"*"- o,m,p-Xylene and Ethylbenzene

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.

Solvent	Synonym(s)	Solvent	Synonym(s)
Acetonitrile	Methyl Cyanide, ACN	Ethylene glycol	1,2-Ethanediol
1-Butanol	n-Butanol, Butyl Alcohol	Isobutane	2-Methylpropane
2-Butanol	sec-Butyl alcohol	Isopropanol	2-Propanol, IPA
2-Butanone	Methyl ethyl ketone, MEK	Isopropyl Acetate	Acetic acid isopropyl ester
1,2-Dimethoxyethane	Monoglyme	Methanol	Methyl alcohol
2,3-Dimethylbutane	Neohexane	2-Methylbutane	Isopentane
2,3-Dimethylbutane	Diisopropyl	Methylene chloride	Dichloromethane
N,N-Dimethylformamide	DMF	2-Methylpentane	Isohexane
Dimethylsulfoxide	DMSO	1-Pentanol	n-Amyl alcohol
2-Ethoxyethanol	Cellosolve, Ethyl glycol	1-Propanol	Propyl alcohol
Ethyl ether	Diethyl ether, Ether	Tetrahydrofuran	THF
Ethyl acetate	EtOAc	Tetramethylene sulfone	Sulfolane
Ethyl benzene	Phenylethane	Xylene	Dimethylbenzene

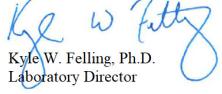
Abbreviations: HS-Headspace, GC-Gas Chromatography, MS-Mass Spectrometry, RL-Reporting Limit, AL-Action Level, CAS-Chemical Abstract Services, LOD - Limit of Detection, LOQ - Limit of Quantification

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PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 03/20/2024 1401

Analyst: KF

Method: LC/MS/MS

Instrument: Shimadzu LC-8050

Deviations from SOP:

None

Pesticide	Result ($\mu\text{g/g}$)	LOD ($\mu\text{g/g}$)	LOQ ($\mu\text{g/g}$)	Action Level ($\mu\text{g/g}$)	Pesticide	Result ($\mu\text{g/g}$)	LOD ($\mu\text{g/g}$)	LOQ ($\mu\text{g/g}$)	Action Level ($\mu\text{g/g}$)
Abamectin (71751-41-2)	-	0.00929	0.0743	0.5	Kresoxim-methyl (143390-89-0)	-	0.00929	0.0743	0.4
Acephate (30560-19-1)	-	0.00929	0.0743	0.4	Malathion (121-75-5)	-	0.00929	0.0743	0.2
Acequinocyl (57960-19-7)	-	0.00929	0.0743	2	Metalaxyl (57837-19-1)	-	0.00929	0.0743	0.2
Acetamiprid (135410-20-7)	-	0.00929	0.0743	0.2	Methiocarb (2032-65-7)	-	0.00929	0.0743	0.2
Aldicarb (116-06-3)	-	0.00929	0.0743	0.4	Methomyl (16752-77-5)	-	0.00929	0.0743	0.4
Azoxystrobin (131860-33-8)	-	0.00929	0.0743	0.2	Methyl parathion (298-0-0)	-	0.00929	0.0743	0.2
Bifenazate (149877-41-8)	-	0.00929	0.0743	0.2	MGK 264 (113-48-4)	-	0.00929	0.0743	0.2
Bifenthrin (82657-04-3)	-	0.00929	0.0743	0.2	Myclobutanil (88671-89-0)	-	0.00929	0.0743	0.2
Boscalid (188425-85-6)	-	0.00929	0.0743	0.4	Naled (300-76-5)	-	0.00929	0.0743	0.5
Carbaryl (63-25-2)	-	0.00929	0.0743	0.2	Oxamyl (23135-22-0)	-	0.00929	0.0743	1
Carbofuran (1563-66-2)	-	0.00929	0.0743	0.2	Paclbutrazol (76738-62-0)	-	0.00929	0.0743	0.4
Chlorantraniliprole (800008-45-7)	-	0.00929	0.0743	0.2	Permethrins (52645-53-1)	-	0.00929	0.0743	0.2
Chlorfenapyr (122453-73-0)	-	0.00929	0.0743	1	Phosmet (732-11-6)	-	0.00929	0.0743	0.2
Chlorpyrifos (2921-88-2)	-	0.00929	0.0743	0.2	Piperonyl butoxide (51-03-6)	-	0.00929	0.0743	2
Clofentezine (74115-24-5)	-	0.00929	0.0743	0.2	Prallethrins (2331-36-9)	-	0.00929	0.0743	0.2
Cyfluthrin (68359-37-5)	-	0.00929	0.0743	1	Propiconazole (60207-90-1)	-	0.00929	0.0743	0.4
Cypermethrin (52315-07-8)	-	0.00929	0.0743	1	Propoxur (114-26-1)	-	0.00929	0.0743	0.2
Daminozide (1596-84-5)	-	0.00929	0.0743	1	Pyrethrins (8003-34-7)	-	0.00929	0.0743	1
DDVP (62-73-7)	-	0.00929	0.0743	0.1	Pyridaben (96489-71-3)	-	0.00929	0.0743	0.2
Diazinon (333-41-5)	-	0.00929	0.0743	0.2	Spinosad (168316-95-8)	-	0.00929	0.0743	0.2
Dimethoate (60-51-5)	-	0.00929	0.0743	0.2	Spiromesifen (283594-90-1)	-	0.00929	0.0743	0.2
Ethoprophos (13194-48-4)	-	0.00929	0.0743	0.2	Spirotetramat (203313-25-1)	-	0.00929	0.0743	0.2
Etofenprox (80844-07-1)	-	0.00929	0.0743	0.4	Spiroxamine (118134-30-8)	-	0.00929	0.0743	0.4
Etoxazole (153233-91-1)	-	0.00929	0.0743	0.2	Tebuconazole (80443-41-0)	-	0.00929	0.0743	0.4
Fenoxy carb (72490-01-8)	-	0.00929	0.0743	0.2	Thiacloprid (111988-49-9)	-	0.00929	0.0743	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.00929	0.0743	0.4	Thiamethoxam (153719-23-4)	-	0.00929	0.0743	0.2
Fipronil (120068-37-3)	-	0.00929	0.0743	0.4	Trifloxystrobin (141517-21-7)	-	0.00929	0.0743	0.2
Flonicamid (158062-67-0)	-	0.00929	0.0743	1					
Fludioxinil (131341-86-1)	-	0.00929	0.0743	0.4					
Hexythiazox (78587-05-0)	-	0.00929	0.0743	1					
Imazalil (35554-44-0)	-	0.00929	0.0743	0.2					
Imidacloprid (138261-41-3)	-	0.00929	0.0743	0.4					

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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03/22/2024

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

Analysis Date/Time: 03/21/2024 1841 (ICP/OES)

Method: ICP/MS

Deviations from SOP:

Analysis Date/Time: - (DMA)

Instrument: Agilent 7500ce

None

Analyst: KF

Heavy Metal	Result ($\mu\text{g/kg}$)	LOD ($\mu\text{g/kg}$)	LOQ ($\mu\text{g/kg}$)	Action Level ($\mu\text{g/kg}$)
Arsenic (As)	-	56.1	88.8	200
Cadmium (Cd)	-	56.1	88.8	200
Lead (Pb)	-	56.1	88.8	500
Mercury (Hg)	-	56.1	88.8	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.

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MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 03/21/2024 1403	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	Absent	-	
Coliforms, Total	Absent	1	
Escherichia Coli (E. Coli)	Absent	100	
Mold/Yeast	Absent	-	
Pseudomonas aeruginosa	NT	-	
Salmonella spp.	Absent	-	
Staphylococcus aureus	Absent	-	



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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