



CERTIFICATE OF ANALYSIS

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Product Code: ABC-P-CSADON40TW-R2 Product Description: Medic, Arthritis Aches & Pains Relief Ointment	
Batch Number: V0121055	Expiration Date: August 24, 2022
Units Manufactured: 2,866	Batch Size: 128.868 kgs
Manufacture Date: February 24, 2021	

PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
IDENTIFICATION				
Odor	Organoleptic Inspection	Strong Camphor and Menthol	Strong Camphor and Menthol Smell	Pass
Visual	Organoleptic Inspection	Off White to Slight Yellow Color	Off White Color	Pass
		Free of Foreign Material	Free of Foreign Material	Pass
		Opaque Thick Gel Cream	Opaque Thick Gel Cream	Pass
CANNABINOIDS POTENCY				
CBDVA	AOAC 2018.11/JAOAC Vol 98, Progressive GMP – Torrance, CA	As Reported	Not Detected	
CBDV		As Reported	Not Detected	
CBDA		NMT 0.3% (3 mg/g)	Not Detected	Pass
CBGA		As Reported	Not Detected	
CBG		As Reported	Not Detected	
CBD		NLT 15 mg/g (NLT 100% of label claim)	18.59 mg/g	Pass
THCV		Not Detected	Not Detected	Pass
CBN		As Reported	Not Detected	
Delta-9 THC		Not Detected	Not Detected	Pass
THCA (THCA-A)		Not Detected	Not Detected	Pass
Total Delta-9 THC + THCA		Not Detected	Not Detected	Pass
CBC		As Reported	Not Detected	

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PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
THC				
Total Delta-9 THC Per Container	Calculation	As Reported	Not Detected	
Total Delta-9 THC Per Serving		As Reported	Not Detected	
FUNCTIONAL INGREDIENT				
Menthol	USP or AOAC or equivalent, Progressive GMP – Torrance, CA	9 – 11% (90 – 110% of label claim)	9.0%	Pass
Camphor		9 – 11% (90 – 110% of label claim)	9.5%	Pass
MICROBIOLOGY				
Salmonella spp.	USP <62> (modified), Progressive GMP – Torrance, CA	Absent	Absent	Pass
Escherichia coli	USP <62> (modified), Progressive GMP – Torrance, CA	<10 CFU/g	Absent	Pass
Total Aerobic Plate Count	USP <61> (modified), Progressive GMP – Torrance, CA	<10 ⁴ CFU/g	<10 cfu/g	Pass
Total Yeast and Molds	USP <61> (modified), Progressive GMP – Torrance, CA	<10 ³ CFU/g	<10 cfu/g	Pass
Total Coliforms	USP <62> (modified), Progressive GMP – Torrance, CA	<10 ² CFU/g	Absent	Pass
Pseudomonas aeruginosa	USP <62> (modified), Progressive GMP – Torrance, CA	<10 CFU/g	Absent	Pass
Staphylococcus aureus	USP <62> (modified), Progressive GMP – Torrance, CA	<10 ² CFU/g	Absent	Pass
HEAVY METALS				
Arsenic	USP <233> Elemental Impurities, ICP-MS, Progressive GMP - Torrance, CA	NMT 1.5 µg/g	<0.1 µg/g	Pass
Cadmium		NMT 0.5 µg/g	<0.1 µg/g	Pass
Lead		NMT 0.5 µg/g	<0.1 µg/g	Pass
Mercury		NMT 3.0 µg/g	<0.1 µg/g	Pass
CATEGORY I RESIDUAL SOLVENTS				
1,2-Dichloroethane	USP <461> / J Food Pro	NMT 1.0 µg/g	<1.0 µg/g	Pass



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Benzene	Progressive GMP - Torra	NMT 1.0 µg/g	<1.0 µg/g	Pass
Chloroform		NMT 1.0 µg/g	<1.0 µg/g	Pass
Ethylene oxide		NMT 25 µg/g	<25.0 µg/g	Pass
Methylene chloride		NMT 1.0 µg/g	<1.0 µg/g	Pass
Trichloroethylene		NMT 1.0 µg/g	<1.0 µg/g	Pass

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PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
CATEGORY II RESIDUAL SOLVENTS				
Acetone	USP <461>/ J Food Prot. 2018, Progressive GMP - Torrance, CA	NMT 5000 µg/g	<200 µg/g	Pass
Acetonitrile		NMT 410 µg/g	<200 µg/g	Pass
Butane		NMT 5000 µg/g	<500 µg/g	Pass
Ethanol		NMT 5000 µg/g	<1000 µg/g	Pass
Ethyl acetate		NMT 5000 µg/g	<500 µg/g	Pass
Ethyl ether		NMT 5000 µg/g	<500 µg/g	Pass
Heptane		NMT 5000 µg/g	<50 µg/g	Pass
Hexane		NMT 290 µg/g	<30 µg/g	Pass
Isopropyl alcohol		NMT 5000 µg/g	<500 µg/g	Pass
Methanol		NMT 3000 µg/g	<500 µg/g	Pass
Pentane		NMT 5000 µg/g	<25 µg/g	Pass
Propane		NMT 5000 µg/g	<1000 µg/g	Pass
Toluene		NMT 890 µg/g	<90 µg/g	Pass
Total xylenes (ortho-, meta-, para-)		NMT 2170 µg/g	<160 µg/g	Pass
CATEGORY I RESIDUAL PESTICIDES				
Aldicarb	AOAC 2007.01/CEN EN 15662, Progressive GMP - Torrance, CA	NMT 0.10 µg/g	<0.1 µg/g	Pass
Carbofuran		NMT 0.10 µg/g	<0.1 µg/g	Pass
Chlordane		NMT 0.10 µg/g	<0.1 µg/g	Pass
Chlorfenapyr		NMT 0.10 µg/g	<0.1 µg/g	Pass
Chlorpyrifos		NMT 0.10 µg/g	<0.1 µg/g	Pass
Coumaphos		NMT 0.10 µg/g	<0.1 µg/g	Pass
Daminozide		NMT 0.10 µg/g	<0.1 µg/g	Pass
DDVP (Dichlorvos)		NMT 0.10 µg/g	<0.1 µg/g	Pass
Dimethoate		NMT 0.10 µg/g	<0.1 µg/g	Pass
Ethoprop(hos)		NMT 0.10 µg/g	<0.1 µg/g	Pass
Etofenprox		NMT 0.10 µg/g	<0.1 µg/g	Pass

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CATEGORY I RESIDUAL PESTICIDES				
Fenoxycarb	AOAC 2007.01/CEN EN 15662, Progressive GMP - Torrance, CA	NMT 0.10 µg/g	<0.1 µg/g	Pass
Fipronil		NMT 0.10 µg/g	<0.1 µg/g	Pass
Imazalil		NMT 0.10 µg/g	<0.1 µg/g	Pass
Methiocarb		NMT 0.10 µg/g	<0.1 µg/g	Pass
Methyl parathion		NMT 0.10 µg/g	<0.1 µg/g	Pass
Mevinphos		NMT 0.10 µg/g	<0.1 µg/g	Pass
Paclobutrazol		NMT 0.10 µg/g	<0.1 µg/g	Pass
Propxur		NMT 0.10 µg/g	<0.1 µg/g	Pass
Spiroxamine		NMT 0.10 µg/g	<0.1 µg/g	Pass
Thiacloprid		NMT 0.10 µg/g	<0.1 µg/g	Pass
PARAMETER	TEST METHOD	SPECIFICATIONS	RESULTS	PASS/FAIL
CATEGORY II RESIDUAL PESTICIDES				
Abamectin	AOAC 2007.01/CEN EN 15662, Progressive GMP - Torrance, CA	NMT 0.3 µg/g	<0.1 µg/g	Pass
Acephate		NMT 5 µg/g	<0.1 µg/g	Pass
Acequinocyl		NMT 4 µg/g	<1.0 µg/g	Pass
Acetamiprid		NMT 5 µg/g	<0.1 µg/g	Pass
Azoxystrobin		NMT 40 µg/g	<0.1 µg/g	Pass
Bifenazate		NMT 5 µg/g	<0.1 µg/g	Pass
Bifenthrin		NMT 0.5 µg/g	<0.1 µg/g	Pass
Boscalid		NMT 10 µg/g	<0.1 µg/g	Pass
Captan		NMT 5 µg/g	<0.2 µg/g	Pass
Carbaryl		NMT 0.5 µg/g	<0.1 µg/g	Pass
Chlorantraniliprole		NMT 40 µg/g	<0.1 µg/g	Pass
Clofentezine		NMT 0.5 µg/g	<0.1 µg/g	Pass
Cyfluthrin		NMT 1 µg/g	<0.1 µg/g	Pass

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CATEGORY II RESIDUAL PESTICIDES				
Cypermethrin	AOAC 2007.01/CEN EN 15662, Progressive GMP - Torrance, CA	NMT 1 µg/g	<0.1 µg/g	Pass
Diazinon		NMT 0.2 µg/g	<0.1 µg/g	Pass
Dimethomorph		NMT 20 µg/g	<0.1 µg/g	Pass
Etoxazole		NMT 1.5 µg/g	<0.1 µg/g	Pass
Fenhexamid		NMT 10 µg/g	<0.1 µg/g	Pass
Fenpyroximate		NMT 2 µg/g	<0.1 µg/g	Pass
Flonicamid		NMT 2 µg/g	<0.1 µg/g	Pass
Fludioxonil		NMT 30 µg/g	<0.1 µg/g	Pass
Hexythiazox		NMT 2 µg/g	<0.1 µg/g	Pass
Imidacloprid		NMT 3 µg/g	<0.1 µg/g	Pass
Kresoxim-methyl		NMT 1 µg/g	<0.1 µg/g	Pass
Malathion		NMT 5 µg/g	<0.1 µg/g	Pass
Metalaxyl		NMT 15 µg/g	<0.1 µg/g	Pass
Methomyl		NMT 0.1 µg/g	<0.1 µg/g	Pass
Myclobutanil		NMT 9 µg/g	<0.1 µg/g	Pass
Naled		NMT 0.5 µg/g	<0.1 µg/g	Pass
Oxamyl		NMT 0.2 µg/g	<0.1 µg/g	Pass
Pentachloronitrobenzene		NMT 0.2 µg/g	<0.1 µg/g	Pass
Permethrin		NMT 20 µg/g	<0.1 µg/g	Pass
Phosmet		NMT 0.2 µg/g	<0.1 µg/g	Pass
Piperonylbutoxide		NMT 8 µg/g	<0.1 µg/g	Pass
Prallethrin		NMT 0.4 µg/g	<0.1 µg/g	Pass
Propiconazole		NMT 20 µg/g	<0.1 µg/g	Pass
Pyrethrins		NMT 1 µg/g	<1.0 µg/g	Pass
Pyridaben		NMT 3 µg/g	<0.1 µg/g	Pass

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CATEGORY II RESIDUAL PESTICIDES				
Spinetoram	AOAC 2007.01/CEN EN 15662, Progressive GMP - Torrance, CA	NMT 3 µg/g	<0.1 µg/g	Pass
Spinosad		NMT 3 µg/g	<0.1 µg/g	Pass
Spiromesifen		NMT 12 µg/g	<0.1 µg/g	Pass
Spirotetramat		NMT 13 µg/g	<0.1 µg/g	Pass
Tebuconazole		NMT 2 µg/g	<0.1 µg/g	Pass
Thiamethoxam		NMT 4.5 µg/g	<0.1 µg/g	Pass
Trifloxystrobin		NMT 30 µg/g	<0.1 µg/g	Pass
PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
CATEGORY OTHER RESIDUAL PESTICIDES				
Glyphosate	ECM for Glyphosate in Water - MRID 40881601, Progressive GMP – Torrance, CA	NMT 0.2 µg/g	<0.1 µg/g	Pass
Metolachlor	AOAC 2007.01/CEN EN 15662, Progressive GMP - Torrance, CA	NMT 0.3 µg/g	<0.1 µg/g	Pass
PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
MYCOTOXINS				
Total of aflatoxin B1, B2, G1 and G2	AOAC-RI 050901, USDA/GIPSA 2018-113, Progressive GMP – Torrance, CA	NMT 20 µg/kg	<2.0 µg/kg	Pass
Ochratoxin A		NMT 20 µg/kg	<1.0 µg/kg	Pass

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INGREDIENT LIST:

COMPONENT	PART NUMBER	MANUFACTURER	LOT NUMBER
Menthol Crystals	1035	N/A	TLMC-200957
Natural Camphor	1077	N/A	GONPD0713X
MCT Hemp Oil	4098	N/A	V0421049

QUALITY APPROVAL		
Prepared By/ Date	Approved By/ Date	Status

This Charlotte's Web Inc.™ product has been reviewed by Quality Assurance, has been found to have met all product specifications, and is released. This product contains less than 0.3% THC per hemp regulation.

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