



CHARLOTTE'S WEB™

STANLEY BROTHERS

CERTIFICATE OF ANALYSIS

Boulder, CO 80302 • 1-855-790-8169 • charlottesweb.com

Product Code: ABC-P-CSMJW002BW-R2	
Product Description: Medic Muscle & Joint Pain Relief Medicated Spray 1.7 fl oz	
Batch Number: V0221154	Expiration Date: December 3, 2022
Units Manufactured: 577	Batch Size: 89.2 kgs
Manufacture Date: June 3, 2021	

PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
IDENTIFICATION				
Odor	Organoleptic Inspection	Mild Menthol and Alcohol	Mild Menthol and Alcohol	Pass
Visual	Organoleptic Inspection	Very Slight Pinkish-Tan Hue	Pinkish-Tan Hue	Pass
		Free of Foreign Material	Free of Foreign Material	Pass
		Clear Liquid with a Slightly Oily Look	Clear Liquid with aSlightly Oily Look	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 12.5 mg/g (NLT 100% of label claim)	13.37 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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THC				
Total Delta-9 THC Per Container	Calculation	As Reported	Not Detected	Pass
Total Delta-9 THC Per Serving		As Reported	Not Detected	Pass
FUNCTIONAL INGREDIENT				
Menthol	USP or AOAC or equivalent, Progressive GMP – Torrance, CA	9– 11% (90 – 110% of label claim)	10%	Pass
Camphor		2.8 – 3.4% (90 – 110% of label claim)	3.1%	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/mL	Absent	Pass
Total Aerobic Plate Count	USP <61> (modified), Progressive GMP – Torrance, CA	<10 ⁴ CFU/mL	<10 cfu/mL	Pass
Total Yeast and Molds	USP <61> (modified), Progressive GMP – Torrance, CA	<10 ³ CFU/mL	<10 cfu/mL	Pass
Total Coliforms	USP <62> (modified), Progressive GMP – Torrance, CA	<10 ² CFU/mL	Absent	Pass
Pseudomonas aeruginosa	USP <62> (modified), Progressive GMP – Torrance, CA	<10 CFU/mL	Absent	Pass
Staphylococcus aureus	USP <62> (modified), Progressive GMP – Torrance, CA	<10 ² CFU/mL	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 Prot. 2018, Progressive GMP - Torrance, CA	NMT 1.0 µg/g	<1.0 µg/g	Pass
Benzene		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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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
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
Isolate Hemp Extract	1076	N/A	8319
Menthol Crystals	1035	N/A	TLMC-200957
Natural Camphor	1077	N/A	GONPD0713X

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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