



# CHARLOTTE'S WEB™

STANLEY BROTHERS

## CERTIFICATE OF ANALYSIS

Denver, CO 80202 • 1-855-790-8169 • charlottesweb.com

Product Code: 930.016.01.01	
Product Description: Charlotte's Web Balm 1.5oz	
Batch Number: P2201-675-2	Expiration Date: January 26, 2024
Units Manufactured: 18,538	Batch Size: 980.65 kgs
Manufacture Date: January 26, 2022	

PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
Odor	Organoleptic Inspection	Menthol/Peppermint Smell	Menthol/Peppermint Smell	Pass
Visual	Organoleptic Inspection	Yellowish Green Color	Yellowish Green Color	Pass
	Organoleptic Inspection	No Visual Inconsistencies	No Visual Inconsistencies	Pass
	Organoleptic Inspection	Not Oily or Runny	Not Oily or Runny	Pass
<b>POTENCY</b>				
CBDVA	Cannabinoid Potency by HPLC - Botanacor Laboratories - Denver, CO	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	0.2 mg/g	
CBL		As Reported	Not Reported	
CBD		NLT 10.6 mg/g	14.4 mg/g	Pass
THCV		As Reported	Not Detected	
THCVA		As Reported	Not Detected	
CBN		As Reported	0.06 mg/g	
CBNA		As Reported	Not Detected	
Delta-9 THC		As Reported	0.3 mg/g	
THCA (THCA-A)		As Reported	Not Detected	
Total Delta – 9 THC + THCA		NMT 0.3%	0.03%	Pass

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<b>POTENCY</b>				
CBC	Cannabinoid Potency by HPLC - Botanacor Laboratories - Denver, CO	As Reported	0.6 mg/g	
CBCA		As Reported	Not Detected	
Total Delta-9 THC per Container	Calculation	As Reported	11.8 mg	
Total Delta-9 THC per Serving	Calculation	As Reported	Not Applicable	
<b>MICROBIAL</b>				
Salmonella spp.	TM-25, Bioburden Testing for Salmonella - Botanacor - Denver, CO	Absent in 25 g	Absent	Pass
Escherichia coli	TM-28, Bioburden Testing for E. coli, Botanacor - Denver, CO	<10 CFU/g	Absent	Pass
Total Aerobic Plate Count	TM-26, Bioburden Testing for Total Aerobic Plate Count, Botanacor - Denver, CO	<10 <sup>5</sup> CFU/g	None Detected	Pass
Total Yeasts and Molds	TM-24, Bioburden Testing for Yeast and Mold - Botanacor - Denver, CO	<10 <sup>4</sup> CFU/g	None Detected	Pass
Total Coliforms	TM-27, Bioburden Testing for Total Coliforms - Botanacor - Denver, CO	<10 <sup>2</sup> CFU/g	None Detected	Pass
Shiga-Toxin Producing Escherichia Coli (STEC)	TM-25, Bioburden Testing for STEC - Botanacor - Denver, CO	Absent in 25 g	Absent	Pass
<b>HEAVY METALS</b>				
Arsenic	TM-19, Heavy Metals Determination – Botanacor, Denver, CO	NMT 1.5 µg/g	Not Detected	Pass
Cadmium		NMT 0.5 µg/g	Not Detected	Pass
Lead		NMT 0.5 µg/g	Not Detected	Pass
Mercury		NMT 1.5 µg/g	Not Detected	Pass

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PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
<b>RESIDUAL SOLVENTS: 6 CCR 1010-21</b>				
Acetone	HS-GC/MS Internally Developed Method – Eurofins Food Chemistry Testing – Madison, WI	NMT 5000 µg/g	<200 ug/g	Pass
Benzene		NMT 1.0 µg/g	<1 ug/g	Pass
Butane		NMT 5000 µg/g	<500 ug/g	Pass
Ethanol		NMT 5000 µg/g	<1000 ug/g	Pass
Ethyl acetate		NMT 5000 µg/g	<500 ug/g	Pass
Heptane		NMT 5000 µg/g	<50 ug/g	Pass
Hexane		NMT 290 µg/g	<30 ug/g	Pass
Isopropyl alcohol		NMT 5000 µg/g	<500 ug/g	Pass
Methanol		NMT 3000 µg/g	<500 ug/g	Pass
Pentane		NMT 5000 µg/g	<25 ug/g	Pass
Propane		NMT 5000 µg/g	<1000 ug/g	Pass
Toluene		NMT 890 µg/g	<90 ug/g	Pass
Total xylenes (ortho-, meta-, para-)		NMT 2170 µg/g	<160 ug/g	Pass
<b>RESIDUAL SOLVENTS: OTHER</b>				
1, 2-Dichloroethane	HS-GC/MS Internally Developed Method – Eurofins Food Chemistry Testing – Madison, WI	NMT 1.0 µg/g	<1 ug/g	Pass
Acetonitrile		NMT 410 µg/g	<200 ug/g	Pass
Chloroform		NMT 1.0 µg/g	<1 ug/g	Pass
Ethyl ether		NMT 5000 µg/g	<500 ug/g	Pass
Ethylene Oxide		NMT 25 µg/g	<25 ug/g	Pass
Methylene Chloride		NMT 1.0 µg/g	<1 ug/g	Pass
Trichloroethylene		NMT 1.0 µg/g	<1 ug/g	Pass

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PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
<b>CATEGORY I RESIDUAL PESTICIDES</b>				
Aldicarb	AOAC Official Method 2007.01 and EN 15662 - Eurofins Food Chemistry Testing - Madison, WI	NMT 0.10 µg/g	<0.10 ug/g	Pass
Carbofuran		NMT 0.10 µg/g	<0.10 ug/g	Pass
Chlordane		NMT 0.10 µg/g	<0.10 ug/g	Pass
Chlorfenapyr		NMT 0.10 µg/g	<0.10 ug/g	Pass
Chlorpyrifos		NMT 0.10 µg/g	<0.10 ug/g	Pass
Coumaphos		NMT 0.10 µg/g	<0.10 ug/g	Pass
Daminozide		NMT 0.10 µg/g	<0.10 ug/g	Pass
DDVP (Dichlorvos)		NMT 0.10 µg/g	<0.10 ug/g	Pass
Dimethoate		NMT 0.10 µg/g	<0.10 ug/g	Pass
Ethoprop(hos)		NMT 0.10 µg/g	<0.10 ug/g	Pass
Etofenprox		NMT 0.10 µg/g	<0.10 ug/g	Pass
Fenoxycarb		NMT 0.10 µg/g	<0.10 ug/g	Pass
Fipronil		NMT 0.10 µg/g	<0.10 ug/g	Pass
Imazalil		NMT 0.10 µg/g	<0.10 ug/g	Pass
Methiocarb		NMT 0.10 µg/g	<0.10 ug/g	Pass
Methyl parathion		NMT 0.10 µg/g	<0.10 ug/g	Pass
Mevinphos		NMT 0.10 µg/g	<0.10 ug/g	Pass
Paclobutrazol		NMT 0.10 µg/g	<0.10 ug/g	Pass
Propoxur		NMT 0.10 µg/g	<0.10 ug/g	Pass
Spiroxamine	NMT 0.10 µg/g	<0.10 ug/g	Pass	
Thiacloprid	NMT 0.10 µg/g	<0.10 ug/g	Pass	
<b>CATEGORY II RESIDUAL PESTICIDES</b>				
Abamectin	AOAC Official Method 2007.01 and EN 15662 - Eurofins Food Chemistry Testing - Madison, WI	NMT 0.3 µg/g	<0.3 ug/g	Pass
Acephate		NMT 5 µg/g	<0.1 ug/g	Pass
Acequinocyl		NMT 4 µg/g	<1 ug/g	Pass
Acetamiprid		NMT 5 µg/g	<0.1 ug/g	Pass
Azoxystrobin		NMT 40 µg/g	<0.1 ug/g	Pass
Bifenazate		NMT 5 µg/g	<0.1 ug/g	Pass
Bifenthrin		NMT 0.5 µg/g	<0.1 ug/g	Pass
Boscalid		NMT 10 µg/g	<0.1 ug/g	Pass
Captan		NMT 5 µg/g	<0.2 ug/g	Pass

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<b>CATEGORY II RESIDUAL PESTICIDES</b>				
Carbaryl	AOAC Official Method 2007.01 and EN 15662 - Eurofins Food Chemistry Testing - Madison, WI	NMT 0.5 µg/g	<0.1 ug/g	Pass
Chlorantraniliprole		NMT 40 µg/g	<0.1 ug/g	Pass
Clofentezine		NMT 0.5 µg/g	<0.1 ug/g	Pass
Cyfluthrin		NMT 1 µg/g	<0.1 ug/g	Pass
Cypermethrin		NMT 1 µg/g	<0.1 ug/g	Pass
Diazinon		NMT 0.2 µg/g	<0.1 ug/g	Pass
Dimethomorph		NMT 20 µg/g	<0.1 ug/g	Pass
Etoxazole		NMT 1.5 µg/g	<0.10 ug/g	Pass
Fenhexamid		NMT 10 µg/g	<0.1 ug/g	Pass
Fenpyroximate		NMT 2 µg/g	<0.1 ug/g	Pass
Fonicamid		NMT 2 µg/g	<0.1 ug/g	Pass
Fludioxonil		NMT 30 µg/g	<0.1 ug/g	Pass
Hexythiazox		NMT 2 µg/g	<0.1 ug/g	Pass
Imidacloprid		NMT 3 µg/g	<0.1 ug/g	Pass
Kresoxim-methyl		NMT 1 µg/g	<0.1 ug/g	Pass
Malathion		NMT 5 µg/g	<0.1 ug/g	Pass
Metalaxyl		NMT 15 µg/g	<0.10 ug/g	Pass
Methomyl		NMT 0.1 µg/g	<0.1 ug/g	Pass
Myclobutanil		NMT 9 µg/g	<0.1 ug/g	Pass
Naled		NMT 0.5 µg/g	<0.1 ug/g	Pass
Oxamyl		NMT 0.2 µg/g	<0.1 ug/g	Pass
Pentachloronitrobenzene (Quintozene)		NMT 0.2 µg/g	<0.1 ug/g	Pass
Permethrin		NMT 20 µg/g	<0.1 ug/g	Pass
Phosmet		NMT 0.2 µg/g	<0.1 ug/g	Pass
Piperonylbutoxide		NMT 8 µg/g	<0.1 ug/g	Pass
Prallethrin		NMT 1.0 µg/g	<0.1 ug/g	Pass
Propiconazole	NMT 20 µg/g	<0.1 ug/g	Pass	
Pyrethrins	NMT 1 µg/g	<1 ug/g	Pass	
Pyridaben	NMT 3 µg/g	<0.1 ug/g	Pass	
Spinetoram	NMT 3 µg/g	<0.1 ug/g	Pass	
Spinosad	NMT 3 µg/g	<0.1 ug/g	Pass	
Spiromesifen	NMT 12 µg/g	<0.10 ug/g	Pass	

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<b>CATEGORY II RESIDUAL PESTICIDES</b>				
Spirotetramat	AOAC Official Method 2007.01 and EN 15662 - Eurofins Food Chemistry Testing - Madison, WI	NMT 13 µg/g	<0.10 ug/g	Pass
Tebuconazole		NMT 2 µg/g	<0.1 ug/g	Pass
Thiamethoxam		NMT 4.5 µg/g	<0.10 ug/g	Pass
Trifloxystrobin		NMT 30 µg/g	<0.1 ug/g	Pass
<b>OTHER RESIDUAL PESTICIDES</b>				
Glyphosate	Monsanto Company Method ME-1466-02 - Eurofins Food Chemistry Testing - Madison, WI	NMT 0.2 µg/g	<0.1 ug/g	Pass
Metolachlor	AOAC 2001.01 and EN 15662, LC-MS-MS – Eurofins Food Chemistry Testing - Madison, WI	NMT 0.3 µg/g	<0.1 ug/g	Pass
<b>MYCOTOXINS</b>				
Total of aflatoxin B1, B2, G1 and G2	TM-18, Mycotoxin Contamination Determination in Concentrates – Botanacor Laboratories, Denver CO	NMT 20 µg/kg	Not Detected	Pass
Ochratoxin A		NMT 5 µg/kg	Not Detected	Pass
Aflatoxin B1		NMT 5 µg/kg	Not Detected	Pass

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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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