



# CHARLOTTE'S WEB™

STANLEY BROTHERS

## CERTIFICATE OF ANALYSIS

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

Product Code: 915.105.02.01  
Product Description: Charlotte's Web Senior Chews

Batch Number: 2870431

Expiration Date: October 2022

Units Manufactured: 2,241

Batch Size: 1,344 lbs

Manufacture Date: April 2021

PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
Manufacturer COAs		Received	Received	Pass
Water Activity	978.18 AOAC International	NMT 0.65	0.613	Pass
Odor	Organoleptic Inspection	Chicken Scent	Chicken Scent	Pass
Visual	Organoleptic Inspection	Dark Brown Color	Dark Brown Color	Pass
	Organoleptic Inspection	No Visual Inconsistencies	No Visual Inconsistencies	Pass
	Average Weight of 10 Chews	3.6 – 4.4 g Per Chew Weight	4.1g Per Chew	Pass
Hemp Extract Concentration	Calculation	NLT 1.25 mg/g	1.25 mg/g	Pass
<b>POTENCY</b>				
Delta-9 THC	Cannabinoid Potency by HPLC Analysis Testing performed by Eurofins Food Chemistry Testing – Madison, WI	As Reported	Not Detected	
THCA		As Reported	Not Detected	
Total Delta-9 THC + THCA		NMT 0.3% (3 mg/g)	Not Detected	Pass
THCV		As Reported	Not Detected	
CBD		NLT 0.625 mg/g (100% of label)	0.774 mg/g	Pass
CBDA		NMT 0.3%	Not Detected	Pass
CBDV		As Reported	0.03 mg/g	
CBDVA		As Reported	Not Detected	
CBG		As Reported	Not Detected	
CBGA		As Reported	Not Detected	

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<b>POTENCY</b>				
CBN	Cannabinoid Potency by HPLC Analysis	As Reported	Not Detected	
CBC	Testing performed by Eurofins Food Chemistry Testing – Madison, WI	As Reported	0.05 mg/g	
Total delta-9 THC per Container	Calculation	As Reported	Not Detected	
Total delta-9 THC per Serving	Calculation	As Reported	Not Detected	
<b>FUNCTIONAL INGREDIENTS</b>				
Elderberry Powder	Content Based on Formulation Testing performed by Eurofins Food Chemistry Testing – Madison, WI	As Reported	12.5 mg/g	
Docosahexaenoic Acid (DHA)	996.06 AOAC International Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NLT 2.5 mg/g (100% of Label)	3.0 mg/g	Pass
Eicosapentaenoic Acid (EPA)	996.06 AOAC International Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NLT 2.5 mg/g (100% of Label)	4.1 mg/g	Pass
Vitamin E	USP 38-NF 33 pp 6387-6388 Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NLT 1.25 IU/g (0.84 mg/g) (100% of Label)	1.63 mg/g	Pass
<b>MICROBIAL</b>				
Total Aerobic Plate Count	BAM Ch. 8, USPC 2021, AOAC 966.23, TM05 Testing performed by Eurofins Microbiology Laboratories – Lafayette, CO	<10 <sup>7</sup> CFU/g	B: 570 cfu/g M: 170 cfu/g E: 450 cfu/g	Pass
Total Yeasts and Molds	CMMEF 5th 21.51, USPM 2021, BAM Ch. 18, TM06 Testing performed by Eurofins Microbiology Laboratories – Lafayette, CO	<10 <sup>5</sup> CFU/g	<20 cfu/g	Pass
Enterobacteriaceae/ Coliforms	CMMEF 8.933/ AOAC 991.14, TM05 Testing performed by Eurofins Microbiology Laboratories – Lafayette, CO	<10 <sup>4</sup> CFU/g	<10 cfu/g	Pass
Escherichia coli	CMMEF 8.933/ AOAC 991.14, TM05 Testing performed by Eurofins Microbiology Laboratories – Lafayette, CO	<10 <sup>2</sup> CFU/g	<10 cfu/g	Pass
Salmonella spp.	AOAC 2016.01/AOAC-RI 121501/ USPS 2022, TM06 Testing performed by Eurofins Microbiology Laboratories – Lafayette, CO	Absent	Absent	Pass
Staphylococcus aureus	UMHBM - Staphylococcus aureus - BAM Chapter 12 Testing performed by Eurofins Microbiology Laboratories – Lafayette, CO	<10 CFU/g	<10 cfu/g	Pass

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<b>CATEGORY I RESIDUAL SOLVENTS</b>				
1, 2-Dichloroethane	HS-GC/MS Internally Developed Method Testing performed by Eurofins Food Chemistry Testing – Madison, WI	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 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
<b>CATEGORY II RESIDUAL SOLVENTS</b>				
Acetone	HS-GC/MS Internally Developed Method Testing performed by Eurofins Food Chemistry Testing – Madison, WI	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	<50.0 µg/g	Pass
Hexane		NMT 290 µg/g	<30.0 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	<25.0 µg/g	Pass
Propane		NMT 5000 µg/g	<1000 µg/g	Pass
Toluene		NMT 890 µg/g	<90.0 µg/g	Pass
Total xylenes (ortho-, meta-, para-)		NMT 2170 µg/g	<160 µg/g	Pass
<b>CATEGORY I RESIDUAL PESTICIDES</b>				
Aldicarb	AOAC Official Method 2007.01 and EN 15662 Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NMT 0.10 µg/g	<0.10 µg/g	Pass
Carbofuran		NMT 0.10 µg/g	<0.10 µg/g	Pass
Chlordane		NMT 0.10 µg/g	<0.10 µg/g	Pass
Chlorfenapyr		NMT 0.10 µg/g	<0.10 µg/g	Pass
Chlorpyrifos		NMT 0.10 µg/g	<0.10 µg/g	Pass
Coumaphos		NMT 0.10 µg/g	<0.10 µg/g	Pass

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<b>CATEGORY I RESIDUAL PESTICIDES</b>				
Daminozide	AOAC Official Method 2007.01 and EN 15662 Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NMT 0.10 µg/g	<0.10 µg/g	Pass
DDVP (Dichlorvos)		NMT 0.10 µg/g	<0.10 µg/g	Pass
Dimethoate		NMT 0.10 µg/g	<0.10 µg/g	Pass
Ethoprop(hos)		NMT 0.10 µg/g	<0.10 µg/g	Pass
Etofenprox		NMT 0.10 µg/g	<0.10 µg/g	Pass
Fenoxycarb		NMT 0.10 µg/g	<0.10 µg/g	Pass
Fipronil		NMT 0.10 µg/g	<0.10 µg/g	Pass
Imazalil		NMT 0.10 µg/g	<0.10 µg/g	Pass
Methiocarb		NMT 0.10 µg/g	<0.10 µg/g	Pass
Methyl parathion		NMT 0.10 µg/g	<0.10 µg/g	Pass
Mevinphos		NMT 0.10 µg/g	<0.10 µg/g	Pass
Paclobutrazol		NMT 0.10 µg/g	<0.10 µg/g	Pass
Propoxur		NMT 0.10 µg/g	<0.10 µg/g	Pass
Spiroxamine		NMT 0.10 µg/g	<0.10 µg/g	Pass
Thiacloprid	NMT 0.10 µg/g	<0.10 µg/g	Pass	
PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
<b>CATEGORY II RESIDUAL PESTICIDES</b>				
Abamectin	AOAC Official Method 2007.01 and EN 15662 Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NMT 0.3 µg/g	<0.30 µg/g	Pass
Acephate		NMT 5 µg/g	<0.10 µg/g	Pass
Acequinocyl		NMT 4 µg/g	<1.0 µg/g	Pass
Acetamiprid		NMT 5 µg/g	<0.10 µg/g	Pass
Azoxystrobin		NMT 40 µg/g	<0.10 µg/g	Pass
Bifenazate		NMT 5 µg/g	<0.10 µg/g	Pass
Bifenthrin		NMT 0.5 µg/g	<0.10 µg/g	Pass
Boscalid		NMT 10 µg/g	<0.10 µg/g	Pass
Captan		NMT 5 µg/g	<0.20 µg/g	Pass
Carbaryl		NMT 0.5 µg/g	<0.10 µg/g	Pass
Chlorantranilprole		NMT 40 µg/g	<0.10 µg/g	Pass

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

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<b>CATEGORY II RESIDUAL PESTICIDES</b>				
Spinosad	AOAC Official Method 2007.01 and EN 15662 Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NMT 3 µg/g	<0.10 µg/g	Pass
Spiromesifen		NMT 12 µg/g	<0.10 µg/g	Pass
Spirotetramat		NMT 13 µg/g	<0.10 µg/g	Pass
Tebuconazole		NMT 2 µg/g	<0.10 µg/g	Pass
Thiamethoxam		NMT 4.5 µg/g	<0.10 µg/g	Pass
Trifloxystrobin		NMT 30 µg/g	<0.10 µg/g	Pass
<b>OTHER RESIDUAL PESTICIDES</b>				
Glyphosate	Monsanto Company Method ME-1466-02 Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NMT 40 µg/g	<0.10 µg/g	Pass
Metolachlor	AOAC Official Method 2007.01 and EN 15662 Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NMT 0.3 µg/g	<0.10 µg/g	Pass
<b>MYCOTOXINS</b>				
Total of aflatoxin B1, B2, G1 and G2	MYCO_ALF_S/AOAC 990.33, Analytical and BioAnalytical Chemistry, 402:2675-2686 (2012)	NMT 20 µg/kg	<2.0 µg/kg	Pass
Ochratoxin A	Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NMT 20 µg/kg	<1.0 µg/kg	Pass
<b>HEAVY METALS</b>				
Arsenic	2011.19 and 993.14, AOAC International Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NMT 1.5 µg/g	0.024 µg/g	Pass
Cadmium		NMT 0.5 µg/g	0.036 µg/g	Pass
Lead		NMT 0.5 µg/g	0.041 µg/g	Pass
Mercury		NMT 3.0 µg/g	<0.005 µg/g	Pass

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**INGREDIENT LIST:**

COMPONENT	PART NUMBER	MANUFACTURER	LOT NUMBER
HL Bulk Unflavored MCT Oil	011.000374	N/A	C00400
Elderberry Powder	010.000303	N/A	007192
Vitamin E	010.000891	N/A	XH12102006
DHA / EPA	010.000332	N/A	31190503

QUALITY APPROVAL		
Prepared By/ Date	Approved By/ Date	Status

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