



CHARLOTTE'S WEB™

STANLEY BROTHERS

CERTIFICATE OF ANALYSIS

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

Product Code: 915.104.02.01

Product Description: Charlotte's Web Hip & Joint Chew 60ct

Batch Number: 2906380

Expiration Date: December 2022

Units Manufactured: 1,392

Batch Size: 897 lbs

Manufacture Date: June 2021

PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
Manufacturer COAs		Received	Received	Pass
Water Activity	978.18 AOAC International	NMT 0.65	0.63	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 Weight per Chew	4.1g Per Chew	Pass
	Organoleptic Inspection	Natural round shape	Natural Round Shape	Pass
POTENCY				
Hemp Extract Concentration	Calculation	NLT 1.25 mg/g	1.25 mg/g	Pass
CBDVA	Cannabinoid Potency by HPLC Analysis Testing performed by Eurofins Food Chemistry Testing – Madison, WI	As Reported	Not Detected	
CBDV		As Reported	Not Detected	
CBDA		NMT 0.3%	Not Detected	Pass
CBGA		As Reported	Not Detected	
CBG		As Reported	Not Detected	
CBD		NLT 0.625 mg/g (100% of label)	0.948 mg/g	Pass
THCV		As Reported	Not Detected	
CBN		As Reported	Not Detected	
Delta-9 THC		As Reported	0.001%	
THCA (THCA-A)		As Reported	Not Detected	

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PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
POTENCY				
Total delta-9 THC+ THCA	Cannabinoid Potency by HPLC Analysis Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NMT 0.3% (3 mg/g)	0.001%	Pass
CBC		As Reported	0.0579 mg/g	
Total delta-9 THC per Container	Calculation	As Reported	2.3 mg Per Container	
Total delta-9 THC per Serving	Calculation	As Reported	Under 10lbs: 0.02mg. 11-25lbs: 0.04mg. 26-50lbs: 0.08mg. 51-75lbs: 0.15mg. 76-100lbs: 0.23mg. 100+ lbs: 0.31mg.	
FUNCTIONAL INGREDIENTS				
Glucosamine HCl	USP-NF (HPLC) Testing performed by Venture Labs – Lexington, KY	NLT 31.25 mg/g (100% of label)	31.79 mg/g	Pass
Turmeric Root Powder	Content Based on Formulation	NLT 18.75 mg/g (100% of label)	18.75 mg/g	Pass
Total Chondroitin’s	AOAC 2015.11 (modified) Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NLT 7.5 mg/g (100% of label)	18.8 mg/g	Pass
MICROBIAL				
Salmonella spp.	AOAC-RI 121501 Testing performed by Eurofins Microbiology Laboratories Testing – Lafayette, CO	Absent	Absent	Pass
Escherichia coli	AOAC 991.14 Testing performed by Eurofins Microbiology Laboratories Testing – Lafayette, CO	<10 ² CFU/g	<10 cfu/g	Pass
Total Aerobic Plate Count	AOAC 966.23 Testing performed by Eurofins Microbiology Laboratories Testing – Lafayette, CO	<10 ⁷ CFU/g	B – 62,000 cfu/g M – 26,000 cfu/g E – 37,000 cfu/g	Pass
Total Yeasts and Molds	BAM Ch 18 mod Testing performed by Eurofins Microbiology Laboratories Testing – Lafayette, CO	<10 ⁵ CFU/g	<20 cfu/g	Pass

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PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
MICROBIAL				
Total Coliforms	AOAC 991.14 Testing performed by Eurofins Microbiology Laboratories – Lafayette, CO	<10 ⁴ CFU/g	<10 cfu/g	Pass
Enterobacteriaceae/ Coliforms	AOAC 991.14 Testing performed by Eurofins Microbiology Laboratories Testing – Lafayette, CO	<10 ⁴ CFU/g	<10 cfu/g	Pass
Staphylococcus Aureus	BAM Chapter 12 Testing performed by Eurofins Microbiology Laboratories – Lafayette, CO	<10 CFU/g	<10 cfu/g	Pass
CATEGORY I RESIDUAL SOLVENTS				
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
CATEGORY II RESIDUAL SOLVENTS				
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

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PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
CATEGORY I RESIDUAL PESTICIDES				
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
Daminozide		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
CATEGORY II RESIDUAL PESTICIDES				
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

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CATEGORY II RESIDUAL PESTICIDES				
Bifenthrin	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
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
Chlorantraniliprole		NMT 40 µg/g	<0.10 µg/g	Pass
Clofentezine		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
Flonicamid		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

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CATEGORY II RESIDUAL PESTICIDES				
Piperonylbutoxide	AOAC Official Method 2007.01 and EN 15662 Testing performed by Eurofins Food Chemistry Testing – Madison, WI	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
Spinosad		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
OTHER RESIDUAL PESTICIDES				
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
MYCOTOXINS				
Total of aflatoxin B1, B2, G1 and G2	MYCO_ALF_S/AOAC 990.33, Analytical and Bio Analytical 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
HEAVY METALS				
Arsenic	2011.19 and 993.14, AOAC International Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NMT 1.5 µg/g	0.02 µg/g	Pass
Cadmium		NMT 0.5 µg/g	0.04 µg/g	Pass
Lead		NMT 0.5 µg/g	0.05 µg/g	Pass
Mercury		NMT 3.0 µg/g	0.01 µg/g	Pass

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INGREDIENT LIST:

COMPONENT	PART NUMBER	MANUFACTURER	LOT NUMBER
HL Bulk Unflavored MCT Oil	011.000374	N/A	C00397
Glucosamine HCL	010.002241	N/A	21H0182101
Turmeric Root Powder	010.000841	N/A	CP20201254
Chondroitin Sulfate (Bovine)	010.000203	N/A	803200703

QUALITY APPROVAL		
Prepared By/ Date	Approved By/ Date	Status

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