



CHARLOTTE'S WEB™

STANLEY BROTHERS

CERTIFICATE OF ANALYSIS

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

Product Code: 960.018.01.01 Product Description: Charlotte's Web Immunity Gummy	
Batch Number: 1225A1D	Expiration Date: February 2023
Units Manufactured: 3,504	Batch Size: 840.96 kg
Manufacture Date: August 2021	

PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
Manufacture COAs		Received	Received	Pass
Water Activity	978.18 AOAC International	NMT 0.7	0.7	Pass
Odor	Organoleptic Inspection	Light Lemon Berry and Hemp Sweet Smell	Light Lemon Berry and Hemp Sweet Smell	Pass
Visual	Organoleptic Inspection	Dark Purple	Dark Purple	Pass
		No Visual Inconsistencies	No Inconsistencies	Pass
		Cube OR Gum Drop Shape	Cube	Pass
		Free of Foreign Material	Free	Pass
Weight	Average Weight of 10 Gummies	4 ± 0.4 g per Gummy	3.6 g	Pass
POTENCY				
CBDVA	Cannabinoid Potency by HPLC - Botanacor Laboratories - Denver, CO	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		10 - 13 mg per Serving (100 - 130% of Label claim)	13 mg/serving	Pass
THCV		As Reported	Not Detected	
CBN		As Reported	Not Detected	
Delta-9 THC		As Reported	Not Detected	
THCA (THCA-A)		As Reported	Not Detected	
Total Delta-9 THC + THCA		NMT 0.3%	Not Detected	Pass

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POTENCY				
CBC	Cannabinoid Potency by HPLC - Botanacor Laboratories - Denver, CO	As Reported	Not Detected	
Total Delta-9 THC per Container	Calculation	As Reported	Not Detected	
Total Delta-9 THC per Serving	Calculation	As Reported	Not Detected	
FUNCTIONAL INGREDIENTS				
Astragalus	Content Based on Formulation	NLT 8 mg/g (100% of label claim)	10 mg/g	Pass
Vitamin C (As Ascorbic Acid and Organic Acerola Extract)	AOAC INTERNATIONAL, Method 967.22 Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NLT 11 mg/g (100% of label claim)	23 mg/g	Pass
Vitamin D3	LCMS AOAC INTERNATIONAL, Method 2011.11 Testing performed by Eurofins Food Chemistry Testing – Madison, WI	NLT 100 IU/g (100% of label claim)	159 IU/g	Pass
MICROBIAL				
Salmonella spp.	AOAC-RI 121501 - Eurofins Microbiology - Lafayette, CO	Absent in 25 g	Not Detected in 25g	Pass
Escherichia coli	AOAC 991.14 - Eurofins Microbiology - Lafayette, CO	<10 CFU/g	< 10 CFU/g	Pass
Total Aerobic Plate Count	AOAC 966.23 Eurofins Microbiology - Lafayette, CO	<10 ⁴ CFU/g	< 10 CFU/g	Pass
Total Yeasts and Molds	BAM Ch 18 Mod. - Eurofins Microbiology - Lafayette, CO	<10 ³ CFU/g	< 20 CFU/g	Pass

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MICROBIAL				
Total Coliforms	AOAC 991.14 - Eurofins Microbiology - Lafayette, CO	<10 ² CFU/g	< 10 CFU/g	Pass
CATEGORY I RESIDUAL SOLVENTS				
1, 2-Dichloroethane	HS-GC/MS Internally Developed Method – 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 – 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 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

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CATEGORY I RESIDUAL PESTICIDES				
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	
CATEGORY II RESIDUAL PESTICIDES				
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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CATEGORY II RESIDUAL PESTICIDES				
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	< 1.0 ug/g	Pass
Propiconazole	NMT 20 µg/g	< 0.1 ug/g	Pass	
Pyrethrins	NMT 1 µg/g	< 1.0 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	< 0.1 ug/g	Pass	

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CATEGORY II RESIDUAL PESTICIDES				
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
OTHER RESIDUAL PESTICIDES				
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 Official Method 2007.01 and EN15662 – Eurofins Food Chemistry Testing - Madison, WI	NMT 0.3 µg/g	< 0.1 ug/g	Pass
MYCOTOXINS				
Total of aflatoxin B1, B2, G1 and G2	AOAC 990.33, Analytical and BioAnalytical Chemistry, 402:2675-2686 (2012) – Eurofins Food Chemistry Testing - Madison, WI	NMT 20 µg/kg	< 2 ug/kg	Pass
Ochratoxin A		NMT 20 µg/kg	<1 ug/kg	Pass
HEAVY METALS				
Arsenic	Method 2011.19 and 993.14, AOAC International (Modified)– Eurofins Food Chemistry Testing – Madison, WI	NMT 1.5 µg/g	0.022 ug/g	Pass
Cadmium		NMT 0.5 µg/g	< 0.005 ug/g	Pass
Lead		NMT 0.5 µg/g	0.01 ug/g	Pass
Mercury		NMT 3.0 µg/g	< 0.005 ug/g	Pass

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INGREDIENT LIST:

COMPONENT	PART NUMBER	MANUFACTURER	LOT NUMBER
HL Unflavored MCT Bulk	530.031	N/A	C00442
HL Unflavored MCT Bulk	530.031	N/A	C00434
Organic Astragalus Root Powder	209483-51	N/A	P92020
Organic Astragalus Root Powder	HE1569	N/A	CHNQ-A-802067
Vitamin D3	V1060T	N/A	16121A1
Vitamin C	9071-OCO-VFI	N/A	OFACMIXZ1
Vitamin C	N/A	N/A	ACMIX21-204
Vitamin C	N/A	N/A	DY02612000017

QUALITY APPROVAL		
Prepared By/ Date	Approved By/ Date	Status

This Charlotte's Web Inc.™ product has been reviewed by Quality Assurance.

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