



CERTIFICATE OF ANALYSIS

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

Product Code: 910.107.R2	
Product Description: Charlotte's Web 60 mg Lemon Twist 30mL	
Batch Number: A01074	Expiration Date: June 23, 2023
Units Manufactured: 10,027	Batch Size: 303,300 mL
Manufacture Date: June 23, 2021	

PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
Odor	Organoleptic Inspection	Lemon Smell	Lemon Smell	Pass
Visual	Organoleptic Inspection	Dark Brown Color	Dark Brown Color	Pass
		Free of Foreign Material	Free of Foreign Material	Pass
		No Haze to Slightly Hazy Appearance	No Hazy Appearance	Pass
Density	Internal Method MTHD08 - Charlotte's Web Inc. - Louisville, CO	As Reported	0.943 g/mL	
POTENCY				
CBDVA	Cannabinoid Potency by HPLC Analysis - Eurofins Food Chemistry Testing - Madison, WI	As Reported	Not Detected	
CBDV		As Reported	0.6 mg/mL	
CBDA		NMT 3 mg/mL	0.6 mg/mL	Pass
CBGA		As Reported	Not Detected	
CBG		As Reported	0.7 mg/mL	
CBD		60-78 mg/mL (100 – 130% of label)	60 mg/mL	Pass
THCV		As Reported	0.03 mg/mL	
CBN		As Reported	0.1 mg/mL	
Delta-9 THC		As Reported	0.2%	
THCA (Delta-9 THCA-A)		As Reported	Not Detected	
Total Delta-9 THC + THCA		NMT 0.3% (3 mg/g)	0.2%	Pass
CBC		As Reported	2.8 mg/mL	

Batch Number: A01074	Revision: 0
Document ID: QS-COA-0022	



CERTIFICATE OF ANALYSIS

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

PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
POTENCY				
Total Delta-9 THC Per Container	Calculation	As Reported	62.9 mg Per Container	
Total Delta-9 THC Per Serving	Calculation	As Reported	1.1 mg Per Serving	
MICROBIOLOGY				
Salmonella spp.	CMMEF 8.933, AOAC 991.14, TM05 - Eurofins Microbiology - Lafayette, CO	Absent	Absent	Pass
Escherichia coli	AOAC 2016.01, USPS 2022, AOAC-RI 121501, TM06 - Eurofins Microbiology - Lafayette, CO	<10 CFU/mL	<10 cfu/mL	Pass
Total Aerobic Plate Count	BAM Ch 8, USPC 2021, AOAC 966.23, TM05, Eurofins Microbiology - Lafayette, CO	<10 ⁴ CFU/mL	<10 cfu/mL	Pass
Total Yeast and Molds	CMMEF 5th 21.51, USPM 2021, BAM Ch 18, TM06 - Eurofins Microbiology - Lafayette, CO	<10 ³ CFU/mL	<20 cfu/mL	Pass
Total Coliforms	CMMEF 8.933, AOAC 991.14, TM05 - Eurofins Microbiology - Lafayette, CO	<10 ² CFU/mL	<10 cfu/mL	Pass
HEAVY METALS				
Arsenic	2011.19 and 993.14, AOAC International – Eurofins Food Chemistry Testing – Madison, WI	NMT 1.5 µg/g	<0.01 µg/g	Pass
Cadmium		NMT 0.5 µg/g	<0.005 µg/g	Pass
Lead		NMT 0.5 µg/g	<0.005 µg/g	Pass
Mercury		NMT 3.0 µg/g	<0.005 µg/g	Pass

Batch Number: A01074	
Document ID: QS-COA-0022	Revision: 0



CERTIFICATE OF ANALYSIS

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

PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
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

Batch Number: A01074	Revision: 0
Document ID: QS-COA-0022	



CERTIFICATE OF ANALYSIS

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

PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
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 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 - Eurofins Food Chemistry Testing - Madison, WI	NMT 0.3 µg/g	<0.3 µg/g	Pass
Acephate		NMT 5 µg/g	<0.1 µg/g	Pass
Acequinocyl		NMT 4 µg/g	<1 µg/g	Pass
Acetamiprid		NMT 5 µg/g	<0.1 µg/g	Pass
Azoxystrobin		NMT 40 µg/g	<0.1 µg/g	Pass

Batch Number: A01074	Revision: 0
Document ID: QS-COA-0022	



CERTIFICATE OF ANALYSIS

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

PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
CATEGORY II RESIDUAL PESTICIDES				
Bifenazate	AOAC Official Method 2007.01 and EN 15662 - Eurofins Food Chemistry Testing - Madison, WI	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
Cypermethrin		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
Fonicamid		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
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 (Quintozene)	NMT 0.2 µg/g	<0.1 µg/g	Pass	
Permethrin	NMT 20 µg/g	<0.1 µg/g	Pass	

Batch Number: A01074	Revision: 0
Document ID: QS-COA-0022	



CERTIFICATE OF ANALYSIS

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

PARAMETER	TEST METHOD	SPECIFICATION	RESULT	PASS/FAIL
CATEGORY II RESIDUAL PESTICIDES				
Phosmet	AOAC Official Method 2007.01 and EN 15662 - Eurofins Food Chemistry Testing - Madison, WI	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 µg/g	Pass
Pyridaben		NMT 3 µg/g	<0.1 µg/g	Pass
Spinetoram		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

OTHER RESIDUAL PESTICIDES				
Glyphosate	Monsanto Company Method ME-1466-02 - Eurofins Food Chemistry Testing - Madison, WI	NMT 0.2 µg/g	<0.1 µg/g	Pass
Metolachlor	AOAC Official Method 2007.01 – Eurofins Food Chemistry Testing - Madison, WI	NMT 0.3 µg/g	<0.1 µg/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 µg/kg	Pass
Ochratoxin A		NMT 20 µg/kg	<1 µg/kg	Pass

Batch Number: A01074	Revision: 0
Document ID: QS-COA-0022	



CERTIFICATE OF ANALYSIS

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

INGREDIENT LIST:

COMPONENT	PART NUMBER	MANUFACTURER	LOT NUMBER
Organic MCT Oil	410.033	N/A	F020121-25077-12Apr21
Organic Lemon Flavoring	410.029	N/A	410.029-05Apr21
Organic Lemon Flavoring	410.029	N/A	410.029-15Apr20
Organic Lemon Flavoring	410.029	N/A	410.029-27Jan21
Organic CO2 Extract	500.025	N/A	87.3010 2 of 5
Organic CO2 Extract	500.025	N/A	87.3010 3 of 5
Organic CO2 Extract	500.025	N/A	87.3010 5 of 5

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 regulations

Batch Number: A01074	
Document ID: QS-COA-0022	Revision: 0