



<b>Sample Name:</b>	A01270		
<b>Sample Description:</b>	25 mg THC Free 30 ml		
<b>Lab Name:</b>	Charlotte's Web QC Lab, 700 Tech Ct., Louisville, CO 80027, Room 203	<b>Sample Analyzed By:</b>	Eric Webb
<b>Customer:</b>	Charlotte's Web	<b>Test Method ID:</b>	MTH-002 R2
<b>Contact:</b>	Richard Wright, qateam@charlottesweb.com	<b>Date Sample Received:</b>	04-Oct-23
		<b>Date Sample Analyzed:</b>	04-Oct-23

**Analysis**

**Result (g/mL)**

Manual Density Measurement

0.939

This information is a portion of the complete report; contact the lab for more information. Results only apply to the received sample in the condition it was received. This certificate of analysis shall not be reproduced, except in full, without the prior written consent of CWB Holdings LLC.

**Additions/Deviations/Exclusions/Comments:**

N/A



**Approvals**

Role	Print Name	Signature	Date
Analyst	Eric Webb	<i>Eric B. Webb</i>	040423
Peer Reviewer	Leewaphath Kaiyasang	<i>Leewaphath Kaiyasang</i>	040ct23

Prepared for:

**25mg THC Free Mint Chocolate 30mL**

**CWB HOLDINGS, INC**

Batch ID or Lot Number: <b>A01270 - Composite</b>	Test: <b>Potency</b>	Reported: <b>10/12/23</b>	Location: 700 Tech Ct. Louisville, CO 80027
Matrix: Concentrate	Test ID: T000258142	Started: 10/11/23	USDA License: N/A
Status: Active	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 10/05/2023 @ 03:09 PM	Sampler ID: N/A

## CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.002	0.008	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.002	0.008	ND	ND
Cannabidiolic acid (CBDA)	0.018	0.058	ND	ND
Cannabidiol (CBD)	0.018	0.057	2.912	29.12
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.016	0.056	ND	ND
Cannabinolic Acid (CBNA)	0.009	0.032	ND	ND
Cannabinol (CBN)	0.004	0.015	<LOQ	<LOQ
Cannabigerolic acid (CBGA)	0.014	0.047	ND	ND
Cannabigerol (CBG)	0.003	0.011	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.012	0.040	ND	ND
Tetrahydrocannabivarin (THCV)	0.003	0.010	ND	ND
Cannabidivarinic Acid (CBDVA)	0.008	0.024	ND	ND
Cannabidivarin (CBDV)	0.004	0.013	0.028	0.28
Cannabichromenic Acid (CBCA)	0.005	0.018	ND	ND
Cannabichromene (CBC)	0.006	0.020	0.054	0.54
<b>Total Cannabinoids</b>			<b>2.994</b>	<b>29.94</b>
Total Potential THC**			ND	ND
Total Potential CBD**			2.912	29.12

### Notes

total THC per container  
(30mL)=ND  
total THC per serving  
(1.0mL)=ND



Karen Winternheimer  
12-Oct-23  
9:24 AM



Sam Smith  
12-Oct-23  
9:26 AM

PREPARED BY / DATE

APPROVED BY / DATE

### Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

\*\* Total Potential THCCBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa \* (0.877)) and

Total CBD = CBD + (CBDA \* (0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to SC Laboratories, Inc. SC Laboratories, Inc warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01



CDPHE Certified



Certificate #4329.02

Eurofins Microbiology Laboratory (Colorado)

1371 Horizon Avenue  
Lafayette, Colorado 80026  
+1 720-758-6010  
Micro-Colorado@eurofinsUS.com

CW Hemp

Client Code: EI000061  
PO#: QC 325

Stephanie Fitzgerald  
700 Tech Ct  
Louisville, CO 80026

### ANALYTICAL REPORT

AR-23-EI-018383-01

Received On: 05Oct2023  
Reported On: 10Oct2023

<b>Eurofins Sample Code:</b> 397-2023-10050065	<b>Sample Registration Date:</b> 05Oct2023
<b>Client Sample Code:</b> A01270 - Composite	<b>Condition Upon Receipt:</b> acceptable, 18.9°C
<b>Sample Description:</b> 25mg THC Free Mint Chocolate 30mL	<b>Sample Reference:</b>

**Note:** Testing has been performed in accordance with CDPHE hemp regulations, and is for official compliance purposes. LOD and LOQ are as follows: APC, Coliform, YM counts: LOD = 10CFU/g if plated from 1:10 dilution; 1 CFU/g if plated directly. Salmonella Bacgene: LOD = 0.6 CFU/25g sample, STEC VirX LOD = 1.2 CFU/25g sample. Measurement Uncertainty is as follows: APC 5.58%; Coliform 3.76%; Yeast 5.98%; Mold 10.64%

<b>UMDBM - Total Coliforms - AOAC 991.14</b>	<b>Reference</b> AOAC 991.14	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.11	<b>Completed</b> 06Oct2023
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<b>Parameter</b>	<b>Result</b>
Total Coliforms	< 10 cfu/g

<b>UMDTC - Salmonella species - AOAC-RI 121501</b>	<b>Reference</b> AOAC-RI 121501	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.11	<b>Completed</b> 06Oct2023
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<b>Parameter</b>	<b>Result</b>
Salmonella spp.	Not Detected per 25 g

<b>UMMFL - Aerobic Plate Count - AOAC 966.23</b>	<b>Reference</b> AOAC 966.23	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.11	<b>Completed</b> 07Oct2023
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<b>Parameter</b>	<b>Result</b>
Aerobic Plate Count	< 10 cfu/g

<b>ZMJAF - Yeasts &amp; Moulds - FDA BAM Chapter 18 mod.</b>	<b>Reference</b> FDA BAM Chapter 18 mod.	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.11	<b>Completed</b> 10Oct2023
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<b>Parameter</b>	<b>Result</b>
Yeasts & Moulds	< 10 cfu/g

<b>ZMJHN - Shiga-toxin Escherichia coli producer - AOAC-RI 121203</b>	<b>Reference</b> AOAC-RI 121203	<b>Completed</b> 06Oct2023
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<b>Parameter</b>	<b>Result</b>
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CW Hemp

Client Code: EI0000061

PO#: QC 325

Stephanie Fitzgerald  
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Louisville, CO 80026

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<b>ZMJHN - Shiga-toxin Escherichia coli producer - AOAC-RI 121203</b>	<b>Reference</b> AOAC-RI 121203	<b>Completed</b> 06Oct2023
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Parameter	Result
Shiga-toxin Escherichia coli producer	Not Detected per 25 g

Respectfully Submitted,



*Jake Gilgen*

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Jake Gilgen  
Laboratory Supervisor 4-565

Results shown in this report relate solely to the item submitted for analysis. | Any opinions/interpretations expressed on this report are given independent of the laboratory's scope of accreditation. | All results are reported on an "As Received" basis unless otherwise stated. | Reports shall not be reproduced except in full without written permission of Eurofins Scientific, Inc. | All work done in accordance with Eurofins General Terms and Conditions of Sale: [www.eurofinsus.com/terms\\_and\\_conditions.pdf](http://www.eurofinsus.com/terms_and_conditions.pdf) | ✓ Indicates a subcontract test to a different lab. Lab(s) are listed at end of the report. For further details about the performing labs please contact your customer service contact at Eurofins. Measurement of uncertainty can be obtained upon request.

## Certificate of Analysis

### Charlotte's Web, Inc.

700 Tech Court  
Louisville Colorado 80027 United States

<b>Sample Name:</b>	<b>A01270 - Composite</b>	<b>Eurofins Sample:</b>	<b>13385885</b>
<b>Project ID</b>	CHARLO_WEB-20231004-0236	<b>Receipt Date</b>	10-Oct-2023
<b>PO Number</b>	QC 325	<b>Receipt Condition</b>	Ambient temperature
<b>Description</b>	25mg THC Free Mint Chocolate 30mL MFG October 3 2023 Exp October 3 2025	<b>Login Date</b>	04-Oct-2023
		<b>Date Started</b>	11-Oct-2023
		<b>Sampled</b>	Sample results apply as received
		<b>Number Composited</b>	2
		<b>Online Order</b>	901-2023-E061463

Analysis	Result
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**Elements by ICP Mass Spectrometry**

Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Mercury	<5.00 ppb
Lead	<5.00 ppb

**Mycotoxins in Raw Materials**

Aflatoxin B1	<0.500 ppb
Aflatoxin B2	<0.500 ppb
Aflatoxin G1	<0.500 ppb
Aflatoxin G2	<0.500 ppb
Ochratoxin A	<1.00 ppb
Sum of B1 B2 G1 and G2	<2.00 ppb

**Glyphosate and AMPA**

Glyphosate	<100 ng/g
AMPA	<100 ng/g

Analysis	Limit	Result	Pass/Fail
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**BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices**

**Category I Residual Solvent or Processing Chemical**

1,2-Dichloroethane	1.0 ppm	<1.0 ppm	Pass
Benzene	1.0 ppm	<1.0 ppm	Pass
Chloroform	1.0 ppm	<1.0 ppm	Pass
Ethylene Oxide	25.0 ppm	<25.0 ppm	Pass
Methylene Chloride	1.0 ppm	<1.0 ppm	Pass
Trichloroethylene	1.0 ppm	<1.0 ppm	Pass

The BCC limit of 1 ppm for Ethylene Oxide is not achieved by this method. Reporting limit of 25 ppm is the limit recommended by the AOAC CASP.

**Category II Residual Solvent or Processing Chemical**

Isopropal Alcohol	5000 ppm	<500 ppm	Pass
Acetone	5000 ppm	<200 ppm	Pass

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Analysis	Limit	Result	Pass/Fail
<b>BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices</b>			
Acetonitrile	410 ppm	<200 ppm	Pass
Ethanol	5000 ppm	<1000 ppm	Pass
Ethyl Acetate	5000 ppm	<500 ppm	Pass
Ethyl Ether	5000 ppm	<500 ppm	Pass
Methanol	3000 ppm	<500 ppm	Pass
Butane	5000 ppm	<500 ppm	Pass
Heptane	5000 ppm	<50.0 ppm	Pass
Hexane	290 ppm	<30.0 ppm	Pass
Pentane	5000 ppm	<25.0 ppm	Pass
Propane	5000 ppm	<1000 ppm	Pass
Toluene	890 ppm	<90.0 ppm	Pass
Xylenes (ortho-, meta-, para-)	2170 ppm	<160 ppm	Pass
The Pass/Fail reporting designations are relative to the limits set forth by the Bureau of Cannabis Control, Title 16, Division 42.			
<b>Summed Group 1 (Butanes)</b>			
Isobutane (2-Methylpropane)		<500 ppm	
<b>Summed Group 2 (Heptanes)</b>			
2,2,3-Trimethylbutane		<50.0 ppm	
2,3-Dimethylpentane		<50.0 ppm	
2,4-Dimethylpentane		<50.0 ppm	
2-Methylhexane		<50.0 ppm	
3,3-Dimethylpentane		<50.0 ppm	
3-Ethylpentane		<50.0 ppm	
3-Methylhexane		<50.0 ppm	
<b>Summed Group 3 (Petroleum Ether)</b>			
2,2-Dimethylbutane		<25.0 ppm	
2,3-Dimethylbutane		<25.0 ppm	
2-Methylpentane		<25.0 ppm	
3-Methylpentane		<25.0 ppm	

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Analysis	Limit	Result	Pass/Fail
<b>BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices</b>			
<b>Summed Group 4 (Xylenes)</b>			
Xylenes-1 (Ethylbenzene)		<40.0 ppm	
<b>Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminozide</b>			
Daminozide	0.1 mg/kg	<0.10 mg/kg	Pass
Fenhexamid	10 mg/kg	<0.10 mg/kg	Pass
The Pass/Fail reporting designations are relative to the limits set forth by the Bureau of Cannabis Control, Title 16, Division 42.			
<b>Multi-Residue Analysis for hemp products - Compliance with Colorado Regulations</b>			
Abamectin	0.3 mg/kg	<0.10 mg/kg	Pass
Acephate	5 mg/kg	<0.01 mg/kg	Pass
Acequinocyl	4 mg/kg	<0.50 mg/kg	Pass
Acetamiprid	5 mg/kg	<0.01 mg/kg	Pass
Aldicarb	0.1 mg/kg	<0.10 mg/kg	Pass
Azoxystrobin	40 mg/kg	<0.01 mg/kg	Pass
Bifenazate	5 mg/kg	<0.01 mg/kg	Pass
Bifenthrin	0.5 mg/kg	<0.10 mg/kg	Pass
Boscalid	10 mg/kg	<0.01 mg/kg	Pass
Carbaryl	0.5 mg/kg	<0.02 mg/kg	Pass
Carbofuran	0.1 mg/kg	<0.01 mg/kg	Pass
Chlorantraniliprole	40 mg/kg	<0.02 mg/kg	Pass
Chlorfenapyr	0.1 mg/kg	<0.50 mg/kg	Pass
Chlorpyrifos	0.1 mg/kg	<0.05 mg/kg	Pass
Clofentezine	0.5 mg/kg	<0.01 mg/kg	Pass
Coumaphos	0.1 mg/kg	<0.01 mg/kg	Pass
Cyfluthrin	1 mg/kg	<0.50 mg/kg	Pass
Cypermethrin	1 mg/kg	<0.50 mg/kg	Pass
Diazinon	0.2 mg/kg	<0.02 mg/kg	Pass
Dichlorvos	0.1 mg/kg	<0.05 mg/kg	Pass

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - Compliance with Colorado Regulations</b>			
Dimethoate	0.1 mg/kg	<0.01 mg/kg	Pass
Dimethomorph	20 mg/kg	<0.10 mg/kg	Pass
Ethoprophos	0.1 mg/kg	<0.01 mg/kg	Pass
Etofenprox	0.1 mg/kg	<0.02 mg/kg	Pass
Etoxazole	1.5 mg/kg	<0.01 mg/kg	Pass
Fenoxycarb	0.1 mg/kg	<0.01 mg/kg	Pass
Fenpyroximate	2 mg/kg	<0.01 mg/kg	Pass
Fipronil	0.1 mg/kg	<0.01 mg/kg	Pass
Flonicamid	2 mg/kg	<0.02 mg/kg	Pass
Fludioxonil	30 mg/kg	<0.01 mg/kg	Pass
Hexythiazox	2 mg/kg	<0.05 mg/kg	Pass
Imazalil	0.1 mg/kg	<0.01 mg/kg	Pass
Imidacloprid	3 mg/kg	<0.01 mg/kg	Pass
Kresoxim-methyl	1 mg/kg	<0.15 mg/kg	Pass
Malathion	5 mg/kg	<0.01 mg/kg	Pass
Metalaxyl	15 mg/kg	<0.01 mg/kg	Pass
Methiocarb	0.1 mg/kg	<0.01 mg/kg	Pass
Methomyl	0.1 mg/kg	<0.02 mg/kg	Pass
Mevinphos	0.1 mg/kg	<0.02 mg/kg	Pass
Myclobutanil	9 mg/kg	<0.01 mg/kg	Pass
Naled	0.5 mg/kg	<0.02 mg/kg	Pass
Oxamyl	0.2 mg/kg	<0.05 mg/kg	Pass
Paclobutrazol	0.1 mg/kg	<0.01 mg/kg	Pass
Methyl parathion	0.1 mg/kg	<0.05 mg/kg	Pass
Permethrin	20 mg/kg	<0.10 mg/kg	Pass
Phosmet	0.2 mg/kg	<0.05 mg/kg	Pass
Piperonylbutoxide	8 mg/kg	<0.05 mg/kg	Pass
Prallethrin	0.4 mg/kg	<0.50 mg/kg	Pass
Propiconazole (sum of isomers)	20 mg/kg	<0.05 mg/kg	Pass



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<b>Multi-Residue Analysis for hemp products - Compliance with Colorado Regulations</b>			
Propoxur	0.1 mg/kg	<0.01 mg/kg	Pass
Pyridaben	3 mg/kg	<0.02 mg/kg	Pass
Pentachloronitrobenzene	0.2 mg/kg	<0.05 mg/kg	Pass
Spinetoram	3 mg/kg	<0.01 mg/kg	Pass
Spinosad	3 mg/kg	<0.01 mg/kg	Pass
Spiromesifen	12 mg/kg	<0.02 mg/kg	Pass
Spirotetramat	13 mg/kg	<0.01 mg/kg	Pass
Spiroxamine	0.1 mg/kg	<0.01 mg/kg	Pass
Tebuconazole	2 mg/kg	<0.01 mg/kg	Pass
Thiacloprid	0.1 mg/kg	<0.01 mg/kg	Pass
Thiamethoxam	4.5 mg/kg	<0.01 mg/kg	Pass
Trifloxystrobin	30 mg/kg	<0.01 mg/kg	Pass
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Allethrin		<0.10 mg/kg	
Atrazine		<0.01 mg/kg	
Buprofezin		<0.02 mg/kg	
Clothianidin		<0.02 mg/kg	
Cyhalothrin, lambda-		<0.50 mg/kg	
Cyprodinil		<0.01 mg/kg	
Deltamethrin		<0.10 mg/kg	
Dinotefuran		<0.05 mg/kg	
Diuron		<0.01 mg/kg	
Dodemorph (cis- and trans-)		<0.10 mg/kg	
Endosulfan I (alpha-isomer)		<0.10 mg/kg	
Endosulfan II (beta-isomer)		<0.10 mg/kg	
Endosulfan sulfate		<0.10 mg/kg	
Fensulfothion		<0.01 mg/kg	
Fenthion		<0.01 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - Compliance with Colorado Regulations</b>			
Fenvalerate/Esfenvalerate (sum of isomers)		<0.10 mg/kg	
Fluopyram		<0.01 mg/kg	
Iprodione		<0.50 mg/kg	
MGK 264 (sum of isomers)		<0.05 mg/kg	
Novaluron		<0.02 mg/kg	
Pirimicarb		<0.01 mg/kg	
Pyraclostrobin		<0.01 mg/kg	
Pyriproxyfen		<0.05 mg/kg	
Resmethrin (sum of isomers)		<0.05 mg/kg	
Spirodiclofen		<0.05 mg/kg	
Tebufenozide		<0.01 mg/kg	
Teflubenzuron		<0.02 mg/kg	
Tetrachlorvinphos		<0.01 mg/kg	
Tetramethrin (sum of isomers)		<1.0 mg/kg	
Thiabendazole		<0.01 mg/kg	
Thiophanate-methyl		<0.01 mg/kg	
Cyantraniliprole		<0.01 mg/kg	
Azadirachtin		<0.50 mg/kg	
Benzovindiflupyr		<0.01 mg/kg	
Etridiazole		<0.10 mg/kg	
Kinoprene		<1.25 mg/kg	
Methoprene		<1.0 mg/kg	
Phenothrin		<0.50 mg/kg	
Pyrethrin I		<0.05 mg/kg	
Pyrethrin II		<0.05 mg/kg	

Method References	Testing Location
BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices (CANN_SOL_S)	Food Integrity Innovation-Madison

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Louisville Colorado 80027 United States

Method References	Testing Location
<p><b>BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices (CANN_SOL_S)</b></p> <p>Internally Developed Method</p>	<p><b>Food Integrity Innovation-Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>
<p><b>Elements by ICP Mass Spectrometry (ICP_MS_S)</b></p> <p>Official Methods of Analysis, Methods 2011.19 and 993.14, and 2015.01, AOAC INTERNATIONAL, (Modified).</p>	<p><b>Food Integrity Innovation-Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>
<p><b>Glyphosate and AMPA (GLY_AMPA_S)</b></p> <p>Internally developed method.</p>	<p><b>Food Integrity Innovation-Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>
<p><b>Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminoside (PEST_HEMP)</b></p> <p><i>Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).</i></p>	<p><b>Food Integrity Innovation-Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>
<p><i>CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.</i></p> <p>List of the tested pesticides and their limits of quantification (LOQs) are available upon request.</p>	
<p><b>Multi-Residue Analysis for hemp products - Compliance with Colorado Regulations (PEST_HEMP)</b></p> <p><i>Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).</i></p>	<p><b>Food Integrity Innovation-Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>
<p><i>CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.</i></p> <p>List of the tested pesticides and their limits of quantification (LOQs) are available upon request.</p>	
<p><b>Mycotoxins in Raw Materials (MYCO_REG_S)</b></p> <p>Varga, E., Glauner, T., Koppen, R., Mayer, K., Sulyok, M., Schumacher, R., Krska, R. and Berthiller, F., "Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS," Analytical and BioAnalytical Chemistry, 402:2675-2686 (2012).</p>	<p><b>Food Integrity Innovation-Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>

## Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court  
Louisville Colorado 80027 United States

Testing Location(s)	Released on Behalf of Eurofins by
<b>Food Integrity Innovation-Madison</b>  Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375	<b>Edward Ladwig - President Eurofins Food Chemistry Testing Madison</b>    2918.01



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