

## Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court  
Louisville Colorado 80027 United States

<b>Sample Name:</b>	<b>250509-57435 - Composite</b>	<b>Eurofins Sample:</b>	<b>15300262</b>
<b>Project ID</b>	CHARLO_WEB-20250513-0166	<b>Receipt Date</b>	30-July-2025
<b>PO Number</b>	QC 325	<b>Receipt Condition</b>	Ambient temperature
<b>Sample Serving Size</b>	10 g	<b>Login Date</b>	31-July-2025
<b>Description</b>	Northern Lights CBD Flower	<b>Date Started</b>	4-August-2025
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	901-2025-E042112

### Analysis

### Result

#### Industrial Hemp Cannabinoid Profile

CBDVA	None detected at detection limit of 0.0004 %
CBDV	<0.200 mg/Serving Size
CBDA	None detected at detection limit of 0.0004 %
CBGA	None detected at detection limit of 0.0004 %
CBG	None detected at detection limit of 0.0008 %
CBD	16.5 mg/Serving Size
THCV	None detected at detection limit of 0.0008 %
CBN	None detected at detection limit of 0.0004 %
Delta 9-THC	None detected at detection limit of 0.0008 %
Delta 8-THC	None detected at detection limit of 0.0017 %
THCA	None detected at detection limit of 0.0017 %
CBC	None detected at detection limit of 0.0008 %
THCVA	None detected at detection limit of 0.0004 %
CBNA	None detected at detection limit of 0.0004 %
CBCA	None detected at detection limit of 0.0017 %
CBL	None detected at detection limit of 0.0004 %
Total Cannabinoids	16.5 mg/Serving Size
Total THC (THC + (THCA x 0.877))	Not Detected mg/Serving Size
Total CBD (CBD + (CBDA x 0.877))	16.5 mg/Serving Size

\* This analysis or component is not ISO accredited.

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Analysis	Result
<b>Industrial Hemp Cannabinoid Profile</b>	
Total THC (THC + (THCA x 0.877))	Not Detected
Total CBD (CBD + (CBDA x 0.877))	493 mg/container
<b>Elements by ICP Mass Spectrometry</b>	
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Mercury	<5.00 ppb
Lead	<5.00 ppb
<b>Mycotoxins in Raw Materials</b>	
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 Aflatoxins B1, B2, G1, and G2	<2.00 ppb
<b>Glyphosate and AMPA</b>	
Glyphosate	<10.0 ng/g
AMPA	<10.0 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

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

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

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

Acetone		<180 ppm	
Acetonitrile		<180 ppm	
n-Butane		<500 ppm	
Ethanol		<1000 ppm	
Ethyl Acetate		<1000 ppm	
Ethyl Ether		<1000 ppm	
Heptane		<50.0 ppm	
n-Hexane		<30.0 ppm	
Methanol		<1000 ppm	
n-Pentane		<25.0 ppm	
Propane		<1000 ppm	
Isopropyl Alcohol		<1000 ppm	
Toluene		<85.0 ppm	
Xylenes (ortho-, meta-, para-)		<160 ppm	

The Pass/Fail reporting designations are relative to the limits set forth by the Bureau of Cannabis Control, Title 16, Division 42. \*

#### Multi-Residue Analysis for hemp products - BCC Pesticide List

Abamectin	0.3 mg/kg	<0.30 mg/kg	Pass
Acephate	5 mg/kg	<0.10 mg/kg	Pass
Acequinocyl	4 mg/kg	<1.0 mg/kg	Pass
Acetamiprid	5 mg/kg	<0.10 mg/kg	Pass
Aldicarb	0.1 mg/kg	<0.10 mg/kg	Pass
Aldicarb sulfone (Aldoxycarb)	0.1 mg/kg	<0.10 mg/kg	Pass
Aldicarb sulfoxide	0.1 mg/kg	<0.10 mg/kg	Pass
Azoxystrobin	40 mg/kg	<0.10 mg/kg	Pass
Bifenazate	5 mg/kg	<0.10 mg/kg	Pass
Bifenthrin	0.5 mg/kg	<0.10 mg/kg	Pass
Boscalid	10 mg/kg	<0.10 mg/kg	Pass
Captan	5 mg/kg	<0.20 mg/kg	Pass

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - BCC Pesticide List</b>			
Carbaryl	0.5 mg/kg	<0.10 mg/kg	Pass
Carbofuran	0.1 mg/kg	<0.10 mg/kg	Pass
Carbofuran-3-hydroxy-	0.1 mg/kg	<0.10 mg/kg	Pass
Chlorantraniliprole	40 mg/kg	<0.10 mg/kg	Pass
Chlordane, cis-	0.1 mg/kg	<0.10 mg/kg	Pass
Chlordane, trans-	0.1 mg/kg	<0.10 mg/kg	Pass
Chlorfenapyr	0.1 mg/kg	<0.10 mg/kg	Pass
Chlorpyrifos	0.1 mg/kg	<0.10 mg/kg	Pass
Clofentezine	0.5 mg/kg	<0.10 mg/kg	Pass
Coumaphos	0.1 mg/kg	<0.10 mg/kg	Pass
Cyfluthrin	1 mg/kg	<0.10 mg/kg	Pass
Cypermethrin	1 mg/kg	<0.10 mg/kg	Pass
Diazinon	0.2 mg/kg	<0.10 mg/kg	Pass
Dichlorvos	0.1 mg/kg	<0.10 mg/kg	Pass
Dimethoate	0.1 mg/kg	<0.10 mg/kg	Pass
Dimethomorph	20 mg/kg	<0.10 mg/kg	Pass
Ethoprophos	0.1 mg/kg	<0.10 mg/kg	Pass
Etofenprox	0.1 mg/kg	<0.10 mg/kg	Pass
Etoxazole	1.5 mg/kg	<0.10 mg/kg	Pass
Fenoxycarb	0.1 mg/kg	<0.10 mg/kg	Pass
Fenpyroximate	2 mg/kg	<0.10 mg/kg	Pass
Fipronil	0.1 mg/kg	<0.10 mg/kg	Pass
Fipronil desulfinyl	0.1 mg/kg	<0.10 mg/kg	Pass
Fipronil sulfone	0.1 mg/kg	<0.10 mg/kg	Pass
Fonicamid	2 mg/kg	<0.10 mg/kg	Pass
Fludioxonil	30 mg/kg	<0.10 mg/kg	Pass
Hexythiazox	2 mg/kg	<0.10 mg/kg	Pass
Imazalil	0.1 mg/kg	<0.10 mg/kg	Pass
Imidacloprid	3 mg/kg	<0.10 mg/kg	Pass
Kresoxim-methyl	1 mg/kg	<0.10 mg/kg	Pass

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - BCC Pesticide List</b>			
Malathion	5 mg/kg	<0.10 mg/kg	Pass
Metalaxyl	15 mg/kg	<0.10 mg/kg	Pass
Methiocarb	0.1 mg/kg	<0.10 mg/kg	Pass
Methiocarb sulfone	0.1 mg/kg	<0.10 mg/kg	Pass
Methiocarb sulfoxide	0.1 mg/kg	<0.10 mg/kg	Pass
Methomyl	0.1 mg/kg	<0.10 mg/kg	Pass
Mevinphos	0.1 mg/kg	<0.10 mg/kg	Pass
Myclobutanil	9 mg/kg	<0.10 mg/kg	Pass
Naled	0.5 mg/kg	<0.10 mg/kg	Pass
Oxamyl	0.2 mg/kg	<0.10 mg/kg	Pass
Paclobutrazol	0.1 mg/kg	<0.10 mg/kg	Pass
Methyl parathion	0.1 mg/kg	<0.10 mg/kg	Pass
Pentachloroaniline	0.2 mg/kg	<0.10 mg/kg	Pass
Pentachlorobenzene	0.2 mg/kg	<0.10 mg/kg	Pass
Pentachlorobenzonitrile	0.2 mg/kg	<0.10 mg/kg	Pass
Pentachlorothioanisole	0.2 mg/kg	<0.10 mg/kg	Pass
Permethrin	20 mg/kg	<0.10 mg/kg	Pass
Phosmet	0.2 mg/kg	<0.10 mg/kg	Pass
Piperonylbutoxide	8 mg/kg	<0.10 mg/kg	Pass
Prallethrin	0.4 mg/kg	<1.0 mg/kg	Pass
Propiconazole (sum of isomers)	20 mg/kg	<0.10 mg/kg	Pass
Propoxur	0.1 mg/kg	<0.10 mg/kg	Pass
Pyrethrins	1 mg/kg	<1.0 mg/kg	Pass
Pyridaben	3 mg/kg	<0.10 mg/kg	Pass
Pentachloronitrobenzene	0.2 mg/kg	<0.10 mg/kg	Pass
Spinetoram	3 mg/kg	<0.10 mg/kg	Pass
Spinosad	3 mg/kg	<0.10 mg/kg	Pass
Spiromesifen	12 mg/kg	<0.10 mg/kg	Pass
Spirotetramat	13 mg/kg	<0.10 mg/kg	Pass
Spiroxamine	0.1 mg/kg	<0.10 mg/kg	Pass

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Analysis	Limit	Result	Pass/Fail
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**Multi-Residue Analysis for hemp products - BCC Pesticide List**

Tebuconazole	2 mg/kg	<0.10 mg/kg	Pass
Thiacloprid	0.1 mg/kg	<0.10 mg/kg	Pass
Thiamethoxam	4.5 mg/kg	<0.10 mg/kg	Pass
Trifloxystrobin	30 mg/kg	<0.10 mg/kg	Pass

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Prallethrin reporting limit is higher than BCC action level, but EPA tolerance is 1 ppm.

**Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminoside**

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.

Method References	Testing Location
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**BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices (CANN\_SOL\_S)**

**Food Integrity Innovation-Madison**

6304 Ronald Reagan Ave Madison, WI 53704 USA

Internally Developed Method

**Elements by ICP Mass Spectrometry (ICP\_MS\_S)**

**Food Integrity Innovation-Madison**

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, Methods 2011.19 and 993.14, and 2015.01, AOAC INTERNATIONAL, (Modified).

**Glyphosate and AMPA (GLY\_AMPAS)**

**Food Integrity Innovation-Madison**

6304 Ronald Reagan Ave Madison, WI 53704 USA

Internally developed method.

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Method References	Testing Location
<p><b>Industrial Hemp Cannabinoid Profile (IHCBD_S)</b></p> <p>Official Methods of Analysis, AOAC 2018.11, AOAC International, Gaithersburg, MD (Modified).</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 Pesticide List (PEST_HEMP)</b></p> <p><i>Official Methods of Analysis, AOAC Official Method 2007.01</i>, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).</p> <p><i>CEN Standard Method EN 15662</i>: 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.</p> <p>List of the tested pesticides and their limits of quantification (LOQs) are available upon request.</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</i>, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).</p> <p><i>CEN Standard Method EN 15662</i>: 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.</p> <p>List of the tested pesticides and their limits of quantification (LOQs) are available upon request.</p>	<p><b>Food Integrity Innovation-Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</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," <i>Analytical and BioAnalytical Chemistry</i>, 402:2675-2686 (2012).</p>	<p><b>Food Integrity Innovation-Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>

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**Testing Location(s)****Released on Behalf of Eurofins by****Food Integrity Innovation-Madison**

Eurofins Food Chemistry Testing Madison, Inc.  
6304 Ronald Reagan Ave  
Madison WI 53704  
800-675-8375

Edward Ladwig - President Eurofins Food  
Chemistry Testing Madison



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