

Prepared for:

**Sleep Gummy Bulk**
**CWB HOLDINGS, INC**


Batch ID or Lot Number: <b>2207121 - Composite</b>	Test: <b>Potency</b>	Reported: <b>7/28/22</b>	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Concentrate	Test ID: T000215251	Started: 7/26/22	USDA License: N/A
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Status: Active	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 07/25/2022 @ 11:10 AM	Sampler ID: N/A
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**CANNABINOID PROFILE**

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.003	0.009	ND	ND	Total THC per serving (2 ct.) is .5mg. Total THC per 6ct is 1.4mg. Total THC per 30ct is 7.2mg. Total THC per 60ct is 14.4mg. Total THC per 90ct is 21.6mg.
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.004	0.010	<LOQ	0.06	
Cannabidiolic acid (CBDA)	0.025	0.064	ND	ND	
Cannabidiol (CBD)	0.025	0.062	0.161	1.61	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.024	0.066	ND	ND	
Cannabinolic Acid (CBNA)	0.014	0.038	ND	ND	
Cannabinol (CBN)	0.006	0.017	ND	ND	
Cannabigerolic acid (CBGA)	0.020	0.056	ND	ND	
Cannabigerol (CBG)	0.005	0.013	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.017	0.047	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.012	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.011	0.027	ND	ND	
Cannabidivarin (CBDV)	0.006	0.015	ND	ND	
Cannabichromenic Acid (CBCA)	0.008	0.022	ND	ND	
Cannabichromene (CBC)	0.009	0.024	ND	ND	
<b>Total Cannabinoids</b>			<b>0.167</b>	<b>1.67</b>	
Total Potential THC**			0.006	0.06	
Total Potential CBD**			0.161	1.61	


 Jacob Miller  
 28-Jul-22  
 2:17 PM


 Kayla Phye  
 28-Jul-22  
 2:20 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

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

\*\* Total Potential THC/CBD 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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02

Prepared for:

**CWB HOLDINGS, INC**

**Sleep Gummy Bulk**


Batch ID or Lot Number: <b>2207121 - Beginning</b>	Test: <b>Potency</b>	Reported: <b>7/28/22</b>	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Concentrate	Test ID: T000215248	Started: 7/26/22	USDA License: N/A
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Status: Active	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 07/25/2022 @ 11:10 AM	Sampler ID: N/A
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## CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.003	0.008	ND	ND	Total THC per serving (2 ct.) is .5mg. Total THC per 6ct is 1.4mg. Total THC per 30ct is 7.2mg. Total THC per 60ct is 14.4mg. Total THC per 90ct is 21.6mg.
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.003	0.010	<LOQ	0.06	
Cannabidiolic acid (CBDA)	0.024	0.060	ND	ND	
Cannabidiol (CBD)	0.023	0.059	0.163	1.63	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.023	0.063	ND	ND	
Cannabinolic Acid (CBNA)	0.013	0.036	ND	ND	
Cannabinol (CBN)	0.006	0.016	ND	ND	
Cannabigerolic acid (CBGA)	0.019	0.053	ND	ND	
Cannabigerol (CBG)	0.005	0.013	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.016	0.045	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.011	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.010	0.025	ND	ND	
Cannabidivarin (CBDV)	0.006	0.014	ND	ND	
Cannabichromenic Acid (CBCA)	0.007	0.020	ND	ND	
Cannabichromene (CBC)	0.008	0.022	ND	ND	
<b>Total Cannabinoids</b>			<b>0.169</b>	<b>1.69</b>	
Total Potential THC**			0.006	0.06	
Total Potential CBD**			0.163	1.63	

 Jacob Miller  
28-Jul-22  
2:17 PM

 Kayla Phye  
28-Jul-22  
2:20 PM

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### Definitions

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

\*\* Total Potential THC/CBD 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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



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Certificate #4329.02

Prepared for:

**CWB HOLDINGS, INC**
**Sleep Gummy Bulk**


Batch ID or Lot Number: <b>2207121 - Middle</b>	Test: <b>Potency</b>	Reported: <b>7/28/22</b>	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Concentrate	Test ID: T000215249	Started: 7/26/22	USDA License: N/A
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Status: Active	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 07/25/2022 @ 11:10 AM	Sampler ID: N/A
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**CANNABINOID PROFILE**

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.004	0.010	ND	ND	Total THC per serving (2 ct.) is .5mg. Total THC per 6ct is 1.4mg. Total THC per 30ct is 7.2mg. Total THC per 60ct is 14.4mg. Total THC per 90ct is 21.6mg.
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.004	0.011	<LOQ	0.06	
Cannabidiolic acid (CBDA)	0.028	0.070	ND	ND	
Cannabidiol (CBD)	0.027	0.068	0.159	1.59	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.026	0.073	ND	ND	
Cannabinolic Acid (CBNA)	0.015	0.042	ND	ND	
Cannabinol (CBN)	0.007	0.019	ND	ND	
Cannabigerolic acid (CBGA)	0.022	0.061	ND	ND	
Cannabigerol (CBG)	0.005	0.015	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.019	0.052	ND	ND	
Tetrahydrocannabivarin (THCV)	0.005	0.013	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.012	0.029	ND	ND	
Cannabidivarin (CBDV)	0.006	0.016	ND	ND	
Cannabichromenic Acid (CBCA)	0.009	0.024	ND	ND	
Cannabichromene (CBC)	0.009	0.026	ND	ND	
<b>Total Cannabinoids</b>			<b>0.165</b>	<b>1.65</b>	
Total Potential THC**			0.006	0.06	
Total Potential CBD**			0.159	1.59	


 Jacob Miller  
 28-Jul-22  
 2:17 PM


 Kayla Phye  
 28-Jul-22  
 2:20 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

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

\*\* Total Potential THC/CBD 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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



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Certificate #4329.02

Prepared for:

**Sleep Gummy Bulk**
**CWB HOLDINGS, INC**


Batch ID or Lot Number: <b>2207121 - End</b>	Test: <b>Potency</b>	Reported: <b>7/28/22</b>	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Concentrate	Test ID: T000215250	Started: 7/26/22	USDA License: N/A
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Status: Active	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 07/25/2022 @ 11:10 AM	Sampler ID: N/A
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**CANNABINOID PROFILE**

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.003	0.008	ND	ND	Total THC per serving (2 ct.) is .6mg. Total THC per 6ct is 1.7mg. Total THC per 30ct is 8.4mg. Total THC per 60ct is 16.8mg. Total THC per 90ct is 25.2mg.
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.003	0.009	<LOQ	0.07	
Cannabidiolic acid (CBDA)	0.024	0.059	ND	ND	
Cannabidiol (CBD)	0.023	0.058	0.160	1.60	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.022	0.062	ND	ND	
Cannabinolic Acid (CBNA)	0.013	0.035	ND	ND	
Cannabinol (CBN)	0.006	0.016	ND	ND	
Cannabigerolic acid (CBGA)	0.019	0.052	ND	ND	
Cannabigerol (CBG)	0.005	0.012	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.016	0.044	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.011	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.010	0.025	ND	ND	
Cannabidivarin (CBDV)	0.005	0.014	ND	ND	
Cannabichromenic Acid (CBCA)	0.007	0.020	ND	ND	
Cannabichromene (CBC)	0.008	0.022	ND	ND	
<b>Total Cannabinoids</b>			<b>0.167</b>	<b>1.67</b>	
Total Potential THC**			0.007	0.07	
Total Potential CBD**			0.160	1.60	


 Jacob Miller  
 28-Jul-22  
 2:17 PM


 Kayla Phye  
 28-Jul-22  
 2:20 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

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

\*\* Total Potential THC/CBD 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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02



<b>CONTROLLED FORM</b>	
DOCUMENT NUMBER: QA-FM-044	SOP: QS-009

Batch Number: 22071217110131

By/Date TNDZ6 Jul 22

<p>=====</p> <p>WEIGHING PROTOCOL</p> <p>Balance ID                      0012</p> <p>Sleep 60ct</p> <p>                                         22071217110131</p> <p>26 Jul 2022 10:24</p> <p>Weight (1)                      4.00247 g</p> <p>-----</p> <p>Sleep 60ct</p> <p>                                         22071317110131</p> <p>26 Jul 2022 10:25</p> <p>Weight (2)                      4.15914 g</p> <p>-----</p> <p>Sleep 60ct</p> <p>                                         22071317110131</p> <p>26 Jul 2022 10:27</p> <p>Weight (3)                      3.92184 g</p> <p>-----</p> <p>Sleep 60ct</p> <p>                                         22071317110131</p> <p>26 Jul 2022 10:27</p> <p>Weight (4)                      3.81695 g</p> <p>-----</p> <p>Sleep 60ct</p> <p>                                         22071317110131</p> <p>26 Jul 2022 10:29</p> <p>Weight (5)                      3.91367 g</p> <p>-----</p> <p>SIGNATURE <u><i>[Signature]</i></u></p>	<p>=====</p> <p>WEIGHING PROTOCOL</p> <p>Balance ID                      0012</p> <p>Sleep 60ct</p> <p>                                         22071317110131</p> <p>26 Jul 2022 10:29</p> <p>Weight (1)                      3.88832 g</p> <p>-----</p> <p>Sleep 60ct</p> <p>                                         22071317110131</p> <p>26 Jul 2022 10:30</p> <p>Weight (2)                      3.90585 g</p> <p>-----</p> <p>Sleep 60ct</p> <p>                                         22071317110131</p> <p>26 Jul 2022 10:31</p> <p>Weight (3)                      4.11104 g</p> <p>-----</p> <p>Sleep 60ct</p> <p>                                         22071317110131</p> <p>26 Jul 2022 10:32</p> <p>Weight (4)                      3.94168 g</p> <p>-----</p> <p>Sleep 60ct</p> <p>                                         22071317110131</p> <p>26 Jul 2022 10:33</p> <p>Weight (5)                      3.95623 g</p> <p>-----</p> <p>SIGNATURE <u><i>[Signature]</i></u></p>
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Avz=3.961719 ~ 4g/gummy TNDZ6 Jul 22

Performed By/Date: TNDZ6 Jul 22

Reviewed By/Date: MH1210 Jul 22

Form No.	QS-FM-044
Version No.	0



# Certificate of Analysis

**Charlotte's Web**  
**2425 55th St. Ste.100**  
**Boulder, CO 80301**

## Sample Information

Product Name	Product Lot#	MSB Control#	Date Received	PO.#	Storage Condition
Sleep	2207121B	07192022-022	07/19/2022	110755 STRATEGIC 325	RM

## Analytes and Results

Analyte Name	Test Method	Estimated Level	Results
Melatonin	STM-7.18 (HPLC-UV)		3.54 mg/8g

Lab Director  
07/26/2022

Date Completed  
07/26/2022

Note: These results apply only to the samples received and tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of MS Bioanalytical.



# Certificate of Analysis

**Charlotte's Web**  
**2425 55th St. Ste.100**  
**Boulder, CO 80301**

## Sample Information

Product Name	Product Lot#	MSB Control#	Date Received	PO.#	Storage Condition
Sleep	2207121M	07192022-023	07/19/2022	110755 STRATEGIC 325	RM

## Analytes and Results

Analyte Name	Test Method	Estimated Level	Results
Melatonin	STM-7.18 (HPLC-UV)		3.57 mg/8g

Lab Director  
07/26/2022

Date Completed  
07/26/2022

Note: These results apply only to the samples received and tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of MS Bioanalytical.



# Certificate of Analysis

**Charlotte's Web**  
**2425 55th St. Ste.100**  
**Boulder, CO 80301**

## Sample Information

Product Name	Product Lot#	MSB Control#	Date Received	PO.#	Storage Condition
Sleep	2207121E	07192022-024	07/19/2022	110755 STRATEGIC 325	RM

## Analytes and Results

Analyte Name	Test Method	Estimated Level	Results
Melatonin	STM-7.18 (HPLC-UV)		3.54 mg/8g

Lab Director  
07/26/2022

Date Completed  
07/26/2022

Note: These results apply only to the samples received and tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of MS Bioanalytical.



## Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court  
Louisville Colorado 80027 United States

<b>Sample Name:</b>	<b>Sleep</b>	<b>Eurofins Sample:</b>	<b>11971038</b>
<b>Project ID</b>	CHARLO_WEB-20220718-0375	<b>Receipt Date</b>	19-Jul-2022
<b>PO Number</b>	106112 - QC Code 325	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	2207121	<b>Login Date</b>	18-Jul-2022
<b>Description</b>	CW Sleep Gummy Bulk	<b>Date Started</b>	20-Jul-2022
		<b>Sampled</b>	Sample results apply as received
		<b>Number Compositied</b>	5
		<b>Online Order</b>	16433-17983B80

Analysis	Result
<b>Elements by ICP Mass Spectrometry</b>	
Arsenic	<0.0100 ppm
Cadmium	<5.00 ppb
Lead	19.2 ppb
Mercury	<5.00 ppb
<b>Glyphosate and AMPA</b>	
Glyphosate	<100 ng/g
AMPA	<100 ng/g

Analysis	Limit	Result	Pass/Fail
<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	20 ppb	<1.00 ppb	Pass
Sum of B1 B2 G1 and G2	20 ppb	<2.00 ppb	Pass
<b>BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices</b>			
<b>Category I Residual Solvent or Processing Chemical</b>			
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.			
<b>Category II Residual Solvent or Processing Chemical</b>			
Isopropal Alcohol	5000 ppm	<500 ppm	Pass
Acetone	5000 ppm	<200 ppm	Pass

## Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court  
Louisville Colorado 80027 United States

<b>Sample Name:</b>	<b>Sleep</b>	<b>Eurofins Sample:</b>	<b>11971038</b>
<b>Project ID</b>	CHARLO_WEB-20220718-0375	<b>Receipt Date</b>	19-Jul-2022
<b>PO Number</b>	106112 - QC Code 325	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	2207121	<b>Login Date</b>	18-Jul-2022
<b>Description</b>	CW Sleep Gummy Bulk	<b>Date Started</b>	20-Jul-2022
		<b>Sampled</b>	Sample results apply as received
		<b>Number Compositated</b>	5
		<b>Online Order</b>	16433-17983B80

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>Multi-Residue Analysis for hemp products - BCC Pesticide List</b>			
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
Carbaryl	0.5 mg/kg	<0.10 mg/kg	Pass

## Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court  
Louisville Colorado 80027 United States

<b>Sample Name:</b>	<b>Sleep</b>	<b>Eurofins Sample:</b>	<b>11971038</b>
<b>Project ID</b>	CHARLO_WEB-20220718-0375	<b>Receipt Date</b>	19-Jul-2022
<b>PO Number</b>	106112 - QC Code 325	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	2207121	<b>Login Date</b>	18-Jul-2022
<b>Description</b>	CW Sleep Gummy Bulk	<b>Date Started</b>	20-Jul-2022
		<b>Sampled</b>	Sample results apply as received
		<b>Number Composited</b>	5
		<b>Online Order</b>	16433-17983B80

Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - BCC Pesticide List</b>			
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

## Certificate of Analysis

### Charlotte's Web, Inc.

700 Tech Court  
Louisville Colorado 80027 United States

<b>Sample Name:</b>	<b>Sleep</b>	<b>Eurofins Sample:</b>	<b>11971038</b>
<b>Project ID</b>	CHARLO_WEB-20220718-0375	<b>Receipt Date</b>	19-Jul-2022
<b>PO Number</b>	106112 - QC Code 325	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	2207121	<b>Login Date</b>	18-Jul-2022
<b>Description</b>	CW Sleep Gummy Bulk	<b>Date Started</b>	20-Jul-2022
		<b>Sampled</b>	Sample results apply as received
		<b>Number Compositated</b>	5
		<b>Online Order</b>	16433-17983B80

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
Metaxyl	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

## Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court  
Louisville Colorado 80027 United States

<b>Sample Name:</b>	<b>Sleep</b>	<b>Eurofins Sample:</b>	<b>11971038</b>
<b>Project ID</b>	CHARLO_WEB-20220718-0375	<b>Receipt Date</b>	19-Jul-2022
<b>PO Number</b>	106112 - QC Code 325	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	2207121	<b>Login Date</b>	18-Jul-2022
<b>Description</b>	CW Sleep Gummy Bulk	<b>Date Started</b>	20-Jul-2022
		<b>Sampled</b>	Sample results apply as received
		<b>Number Composited</b>	5
		<b>Online Order</b>	16433-17983B80

Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - BCC Pesticide List</b>			
Spiroxamine	0.1 mg/kg	<0.10 mg/kg	Pass
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
The Pass/Fail reporting designations are relative to the limits set forth by the Bureau of Cannabis Control, Title 16, Division 42.			
Note: Prallethrin reporting limit is higher than BCC action level, but EPA tolerance is 1 ppm.			
<b>Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminoside</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 (1-5 Compounds from 500+ Compound list)</b>			
Metolachlor		<0.10 mcg/g	

Method References	Testing Location
<b>BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices (CANN_SOL_S)</b>	<b>Food Integrity Innovation-Madison</b>
Internally Developed Method	6304 Ronald Reagan Ave Madison, WI 53704 USA
<b>Elements by ICP Mass Spectrometry (ICP_MS_S)</b>	<b>Food Integrity Innovation-Madison</b>
	6304 Ronald Reagan Ave Madison, WI 53704 USA

## Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court  
Louisville Colorado 80027 United States

### Method References

### Testing Location

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

#### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, Method 2011.19 and 993.14, AOAC INTERNATIONAL, (Modified).  
Paquette, L.H., Szabo, A., Thompson, J.J., "Simultaneous Determination of Chromium, Selenium, and Molybdenum in Nutritional Products by Inductively Coupled Plasma/Mass Spectrometry: Single-Laboratory Validation," Journal of AOAC International, 94(4): 1240 - 1252 (2011).

#### Glyphosate and AMPA (GLY\_AMPA\_S)

#### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Monsanto Company Method ME-1466-02, "High Throughput Assay for Glyphosate and AMPA in Raw Agricultural Commodities and Processed Fractions Using LC/MS/MS".

#### Multi-Residue Analysis for hemp products - BCC Pesticide List (PEST\_HEMP)

#### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

*Official Methods of Analysis, AOAC Official Method 2007.01*, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

*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.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

#### Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminoside (PEST\_HEMP)

#### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

*Official Methods of Analysis, AOAC Official Method 2007.01*, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

*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.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

## Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court  
Louisville Colorado 80027 United States

### Method References

### Testing Location

**Multi-Residue Analysis for hemp products (1-5 Compounds from 500+ Compound list) (PEST\_HEMP)**

**Food Integrity Innovation-Madison**

6304 Ronald Reagan Ave Madison, WI 53704 USA

*Official Methods of Analysis, AOAC Official Method 2007.01*, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

*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.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

**Mycotoxins in Raw Materials (MYCO\_REG\_S)**

**Food Integrity Innovation-Madison**

6304 Ronald Reagan Ave Madison, WI 53704 USA

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).

### Testing Location(s)

### Released on Behalf of Eurofins by

**Food Integrity Innovation-Madison**

**Edward Ladwig - President Eurofins Food Chemistry Testing Madison**

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



2918.01

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins. Measurement uncertainty for individual analyses can be obtained upon request.

Eurofins Microbiology Laboratory (Colorado)

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 Micro-Colorado@eurofinsUS.com

CW Hemp - 03

Stephanie Fitzgerald  
 700 Tech Ct  
 Louisville, CO 80026

**Client Code:** EI0000159  
**PO#:** PO110633 QC 325

**Received On:** 22Jul2022  
**Reported On:** 02Aug2022

## ANALYTICAL REPORT

AR-22-EI-018562-01

**Eurofins Sample Code:** 397-2022-07220023  
**Client Sample Code:** 22071217110131B  
**Sample Description:** Sleep 60ct

**Sample Registration Date:** 22Jul2022  
**Condition Upon Receipt:** acceptable, 25°C  
**Sample Reference:**

UM5DP - Total Coliforms - AOAC 991.14	Reference	Accreditation	Completed
	AOAC 991.14	ISO/IEC 17025:2017 A2LA 3329.11	24Jul2022

Parameter	Result
Coliforms	< 10 cfu/g

Parameter	Result
Escherichia coli	< 10 cfu/g

UMDTC - Salmonella spp. - AOAC-RI 121501	Reference	Accreditation	Completed
	AOAC-RI 121501	ISO/IEC 17025:2017 A2LA 3329.11	26Jul2022

Parameter	Result
Salmonella	Not Detected per 25 g

UMJI2 - Yeast - FDA BAM Chapter 18 mod.	Reference	Accreditation	Completed
	FDA BAM Chapter 18 mod.	ISO/IEC 17025:2017 A2LA 3329.11	30Jul2022

Parameter	Result
Yeast	< 10 cfu/g

Parameter	Result
Moulds	< 10 cfu/g

UMMFL - Aerobic Plate Count - AOAC 966.23	Reference	Accreditation	Completed
	AOAC 966.23	ISO/IEC 17025:2017 A2LA 3329.11	27Jul2022

Parameter	Result
Aerobic Plate Count	80 (est) cfu/g



CW Hemp - 03

Stephanie Fitzgerald  
700 Tech Ct  
Louisville, CO 80026

# ANALYTICAL REPORT

AR-22-EI-018562-01

**Client Code:** EI0000159

**PO#:** PO110633 QC 325

**Received On:** 22Jul2022

**Reported On:** 02Aug2022

Respectfully Submitted,



Kiley Lynott  
Operations Support Specialist II

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CW Hemp - 03

Stephanie Fitzgerald  
 700 Tech Ct  
 Louisville, CO 80026

**Client Code:** EI0000159  
**PO#:** PO110633 QC 325

**Received On:** 22Jul2022  
**Reported On:** 02Aug2022

## ANALYTICAL REPORT

AR-22-EI-018563-01

<b>Eurofins Sample Code:</b> 397-2022-07220024	<b>Sample Registration Date:</b> 22Jul2022
<b>Client Sample Code:</b> 22071217110131M	<b>Condition Upon Receipt:</b> acceptable, 25°C
<b>Sample Description:</b> Sleep 60ct	<b>Sample Reference:</b>

<b>UM5DP - 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> 24Jul2022
----------------------------------------------	---------------------------------	------------------------------------------------------------	-------------------------------

**Parameter**  
Coliforms

**Result**  
< 10 cfu/g

**Parameter**  
Escherichia coli

**Result**  
< 10 cfu/g

<b>UMDTC - Salmonella spp. - AOAC-RI 121501</b>	<b>Reference</b> AOAC-RI 121501	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.11	<b>Completed</b> 26Jul2022
-------------------------------------------------	------------------------------------	------------------------------------------------------------	-------------------------------

**Parameter**  
Salmonella

**Result**  
Not Detected per 25 g

<b>UMJI2 - Yeast - 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> 30Jul2022
------------------------------------------------	---------------------------------------------	------------------------------------------------------------	-------------------------------

**Parameter**  
Yeast

**Result**  
< 10 cfu/g

**Parameter**  
Moulds

**Result**  
< 10 cfu/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> 27Jul2022
--------------------------------------------------	---------------------------------	------------------------------------------------------------	-------------------------------

**Parameter**  
Aerobic Plate Count

**Result**  
60 (est) cfu/g

CW Hemp - 03

Stephanie Fitzgerald  
700 Tech Ct  
Louisville, CO 80026

# ANALYTICAL REPORT

AR-22-EI-018563-01

**Client Code:** EI0000159

**PO#:** PO110633 QC 325

**Received On:** 22Jul2022

**Reported On:** 02Aug2022

Respectfully Submitted,



Kiley Lynott  
Operations Support Specialist II

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CW Hemp - 03

Stephanie Fitzgerald  
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## ANALYTICAL REPORT

AR-22-EI-018564-01

**Client Code:** EI0000159  
**PO#:** PO110633 QC 325

**Received On:** 22Jul2022  
**Reported On:** 02Aug2022

**Eurofins Sample Code:** 397-2022-07220025  
**Client Sample Code:** 22071217110131E  
**Sample Description:** Sleep 60ct

**Sample Registration Date:** 22Jul2022  
**Condition Upon Receipt:** acceptable, 25°C  
**Sample Reference:**

UM5DP - Total Coliforms - AOAC 991.14	Reference	Accreditation	Completed
	AOAC 991.14	ISO/IEC 17025:2017 A2LA 3329.11	24Jul2022

Parameter	Result
Coliforms	< 10 cfu/g

Parameter	Result
Escherichia coli	< 10 cfu/g

UMDTC - Salmonella species - AOAC-RI 121501	Reference	Accreditation	Completed
	AOAC-RI 121501	ISO/IEC 17025:2017 A2LA 3329.11	23Jul2022

Parameter	Result
Salmonella	Not Detected per 25 g

UMJI2 - Yeast - FDA BAM Chapter 18 mod.	Reference	Accreditation	Completed
	FDA BAM Chapter 18 mod.	ISO/IEC 17025:2017 A2LA 3329.11	30Jul2022

Parameter	Result
Yeast	< 10 cfu/g

Parameter	Result
Moulds	< 10 cfu/g

UMMFL - Aerobic Plate Count - AOAC 966.23	Reference	Accreditation	Completed
	AOAC 966.23	ISO/IEC 17025:2017 A2LA 3329.11	27Jul2022

Parameter	Result
Aerobic Plate Count	100 (est) cfu/g

CW Hemp - 03

Stephanie Fitzgerald  
700 Tech Ct  
Louisville, CO 80026

# ANALYTICAL REPORT

AR-22-EI-018564-01

**Client Code:** EI0000159

**PO#:** PO110633 QC 325

**Received On:** 22Jul2022

**Reported On:** 02Aug2022

Respectfully Submitted,



Kiley Lynott  
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