

Prepared for:

CWB HOLDINGS, INC

CBDMEDIC Arthritis Aches & Pain Relief Cream


Batch ID or Lot Number: V0422055	Test: Potency	Reported: 3/4/22	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Concentrate	Test ID: T000195413	Started: 3/3/22	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 02/28/2022 @ 01:59 PM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.002	0.007	ND	ND	Total THC per container (48g) is ND.
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.002	0.008	ND	ND	
Cannabidiolic acid (CBDA)	0.016	0.050	ND	ND	
Cannabidiol (CBD)	0.016	0.048	1.561	15.61	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.018	0.052	ND	ND	
Cannabinolic Acid (CBNA)	0.010	0.030	ND	ND	
Cannabinol (CBN)	0.005	0.014	ND	ND	
Cannabigerolic acid (CBGA)	0.015	0.044	ND	ND	
Cannabigerol (CBG)	0.004	0.010	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.013	0.037	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.010	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.007	0.021	ND	ND	
Cannabidivarin (CBDV)	0.004	0.011	0.005*	0.05*	
Cannabichromenic Acid (CBCA)	0.006	0.017	ND	ND	
Cannabichromene (CBC)	0.006	0.018	ND	ND	
Total Cannabinoids			1.566	15.66	
Total Potential THC**			ND	ND	
Total Potential CBD**			1.561	15.61	


Ryan Weems
04-Mar-2022
02:00 PM


Daniel Weidensaul
4-Mar-22
2:07 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** 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:

CBDMEDIC Arthritis Aches & Pain Relief Cream

CWB HOLDINGS, INC


Batch ID or Lot Number: V0422055	Test: Potency	Reported: 3/4/22	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Concentrate	Test ID: T000195414	Started: 3/3/22	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 02/28/2022 @ 01:59 PM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.002	0.007	ND	ND	Total THC per container (48g) is ND.
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.002	0.008	ND	ND	
Cannabidiolic acid (CBDA)	0.018	0.053	ND	ND	
Cannabidiol (CBD)	0.017	0.052	1.536	15.36	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.019	0.056	ND	ND	
Cannabinolic Acid (CBNA)	0.011	0.032	ND	ND	
Cannabinol (CBN)	0.005	0.015	ND	ND	
Cannabigerolic acid (CBGA)	0.016	0.047	ND	ND	
Cannabigerol (CBG)	0.004	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.040	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.010	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.007	0.022	ND	ND	
Cannabidivarin (CBDV)	0.004	0.012	ND	ND	
Cannabichromenic Acid (CBCA)	0.006	0.018	ND	ND	
Cannabichromene (CBC)	0.007	0.020	ND	ND	
Total Cannabinoids			1.536	15.36	
Total Potential THC**			ND	ND	
Total Potential CBD**			1.536	15.36	


Ryan Weems
04-Mar-2022
02:00 PM


Daniel Weidensaul
4-Mar-22
2:07 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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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)

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CDPHE Certified



Certificate #4329.02

Prepared for:

CWB HOLDINGS, INC

CBDMEDIC Arthritis Aches & Pain Relief Cream


Batch ID or Lot Number: V0422055	Test: Potency	Reported: 3/4/22	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Concentrate	Test ID: T000195415	Started: 3/3/22	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 02/28/2022 @ 01:59 PM	Sampler ID: N/A
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Cannabidiolic acid (CBDA)	0.018	0.054	ND	ND	
Cannabidiol (CBD)	0.017	0.052	1.535	15.35	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.019	0.056	ND	ND	
Cannabinolic Acid (CBNA)	0.011	0.032	ND	ND	
Cannabinol (CBN)	0.005	0.015	ND	ND	
Cannabigerolic acid (CBGA)	0.016	0.047	ND	ND	
Cannabigerol (CBG)	0.004	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.040	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.010	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.007	0.022	ND	ND	
Cannabidivarin (CBDV)	0.004	0.012	0.006*	0.06*	
Cannabichromenic Acid (CBCA)	0.006	0.018	ND	ND	
Cannabichromene (CBC)	0.007	0.020	ND	ND	
Total Cannabinoids			1.541	15.41	
Total Potential THC**			ND	ND	
Total Potential CBD**			1.535	15.35	


 Ryan Weems
 04-Mar-2022
 02:00 PM


 Daniel Weidensaul
 4-Mar-22
 2:07 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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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)

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CDPHE Certified



Certificate #4329.02

Receiving Date: 3/1/2022

CoA Date: 3/4/2022



Certificate of Analysis

Sample Name: CBDMEDIC Arthritis Aches & Pain Relief Cream R2 - 2/24/2022

Lot Number: V0422055

Sample Description: cream, plastic jar BULK

Rush: Regular

PO: Not Provided

ANALYSIS	SPEC	RESULTS	METHOD
Menthol	3.6-4.4%	4.4% (wt/wt) (PASS)	GC (D-3053)

Approved by:

Giovanni Villalta
Quality Manager

Eurofins Microbiology Laboratory (Colorado)

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

CW Hemp - 02

Client Code: EI0000236

PO#: QC 325

Breanna Lash
 700 Tech Ct
 Louisville, CO 80026

ANALYTICAL REPORT

AR-22-EI-007072-01

Received On: 29Mar2022

Reported On: 03Apr2022

Eurofins Sample Code:	397-2022-03290020	Sample Registration Date:	29Mar2022
Client Sample Code:	V0422055 - B	Condition Upon Receipt:	acceptable, 18.2°C
Sample Description:	CBDMEDIC Arthritis Aches & Pain Relief Cream		
Sample Reference:			

UM4BV - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 03Apr2022
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Parameter Yeast	Result < 10 cfu/g
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Parameter Moulds	Result < 10 cfu/g
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UM73J - Total Coliforms - AOAC 991.14	Reference AOAC 991.14	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 31Mar2022
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Parameter Coliforms	Result < 10 cfu/g
-------------------------------	-----------------------------

Parameter Escherichia coli	Result < 10 cfu/g
--------------------------------------	-----------------------------

UMDTC - Salmonella species - AOAC-RI 121501	Reference AOAC-RI 121501	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 30Mar2022
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Parameter Salmonella	Result Not Detected per 25 g
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UMHBM - Staphylococcus aureus - BAM Chapter 12	Reference BAM Chapter 12	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 31Mar2022
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Parameter Staphylococcus aureus	Result < 10 cfu/g
---	-----------------------------

UMMFL - Aerobic Plate Count - AOAC 966.23	Reference AOAC 966.23	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 31Mar2022
--	---------------------------------	--	-------------------------------

Breanna Lash
700 Tech Ct
Louisville, CO 80026

ANALYTICAL REPORT

AR-22-EI-007072-01

Received On: 29Mar2022

Reported On: 03Apr2022

Eurofins Sample Code: 397-2022-03290020	Sample Registration Date: 29Mar2022
Client Sample Code: V0422055 - B	Condition Upon Receipt: acceptable, 18.2°C
Sample Description: CBDMEDIC Arthritis Aches & Pain Relief Cream	Sample Reference:

UMMFL - Aerobic Plate Count - AOAC 966.23	Reference AOAC 966.23	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 31Mar2022
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Parameter Aerobic Plate Count	Result < 10 cfu/g
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UMQDX - Listeria species - AOAC-RI 061702	Reference AOAC-RI 061702	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 30Mar2022
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Parameter Listeria Species	Result Not Detected per 25 g
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ZMCKG - Pseudomonas aeruginosa - USF <62>	Reference USP <62>	Completed 01Apr2022	Sub 1
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Parameter Pseudomonas aeruginosa	Result Not Detected per 10 g
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Subcontracting partners:
1 - Eurofins Microbiology Lab Madison, WI

Respectfully Submitted,



Jordan Shaw
Business Unit Manager

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 | √ 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.

Eurofins Microbiology Laboratory (Colorado)

 1371 Horizon Avenue
 Lafayette, CO 80026
 +1 720-758-6010
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CW Hemp - 02

 Breanna Lash
 700 Tech Ct
 Louisville, CO 80026

Client Code: EI0000236
PO#: QC 325

Received On: 29Mar2022
Reported On: 03Apr2022

ANALYTICAL REPORT

AR-22-EI-007073-01

Eurofins Sample Code: 397-2022-03290021	Sample Registration Date: 29Mar2022
Client Sample Code: V0422055 - M	Condition Upon Receipt: acceptable, 18.2°C
Sample Description: CBDMEDIC Arthritis Aches & Pain Relief Cream	Sample Reference:

UM4BV - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 03Apr2022
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Parameter Yeast	Result < 10 cfu/g
---------------------------	-----------------------------

Parameter Moulds	Result < 10 cfu/g
----------------------------	-----------------------------

UM73J - Total Coliforms - AOAC 991.14	Reference AOAC 991.14	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 31Mar2022
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Parameter Coliforms	Result < 10 cfu/g
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Parameter Escherichia coli	Result < 10 cfu/g
--------------------------------------	-----------------------------

UMDTC - Salmonella species - AOAC-RI 121501	Reference AOAC-RI 121501	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 30Mar2022
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Parameter Salmonella	Result Not Detected per 25 g
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UMHBM - Staphylococcus aureus - BAM Chapter 12	Reference BAM Chapter 12	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 31Mar2022
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Parameter Staphylococcus aureus	Result < 10 cfu/g
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UMMFL - Aerobic Plate Count - AOAC 966.23	Reference AOAC 966.23	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 31Mar2022
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Breanna Lash
700 Tech Ct
Louisville, CO 80026

ANALYTICAL REPORT

AR-22-EI-007073-01

Received On: 29Mar2022

Reported On: 03Apr2022

Eurofins Sample Code: 397-2022-03290021	Sample Registration Date: 29Mar2022
Client Sample Code: V0422055 - M	Condition Upon Receipt: acceptable, 18.2°C
Sample Description: CBDMEDIC Arthritis Aches & Pain Relief Cream	Sample Reference:

UMMFL - Aerobic Plate Count - AOAC 966.23	Reference AOAC 966.23	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 31Mar2022
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Parameter Aerobic Plate Count	Result < 10 cfu/g
---	-----------------------------

UMQDX - Listeria species - AOAC-RI 061702	Reference AOAC-RI 061702	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 30Mar2022
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Parameter Listeria Species	Result Not Detected per 25 g
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ZMCKG - Pseudomonas aeruginosa - USF <62>	Reference USP <62>	Completed 01Apr2022	Sub 1
--	------------------------------	-------------------------------	-----------------

Parameter Pseudomonas aeruginosa	Result Not Detected per 10 g
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Subcontracting partners:
1 - Eurofins Microbiology Lab Madison, WI

Respectfully Submitted,



Jordan Shaw
Business Unit Manager

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 1371 Horizon Avenue
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CW Hemp - 02

 Breanna Lash
 700 Tech Ct
 Louisville, CO 80026

Client Code: EI0000236
PO#: QC 325

ANALYTICAL REPORT

AR-22-EI-007074-01

Received On: 29Mar2022
Reported On: 03Apr2022

Eurofins Sample Code: 397-2022-03290022	Sample Registration Date: 29Mar2022
Client Sample Code: V0422055 - E	Condition Upon Receipt: acceptable, 18.2°C
Sample Description: CBDMEDIC Arthritis Aches & Pain Relief Cream	Sample Reference:

UM4BV - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 03Apr2022
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Parameter Yeast	Result < 10 cfu/g
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Parameter Moulds	Result < 10 cfu/g
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UM73J - Total Coliforms - AOAC 991.14	Reference AOAC 991.14	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 31Mar2022
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Parameter Coliforms	Result < 10 cfu/g
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Parameter Escherichia coli	Result < 10 cfu/g
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UMDTC - Salmonella species - AOAC-RI 121501	Reference AOAC-RI 121501	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 30Mar2022
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Parameter Salmonella	Result Not Detected per 25 g
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UMHBM - Staphylococcus aureus - BAM Chapter 12	Reference BAM Chapter 12	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 31Mar2022
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Parameter Staphylococcus aureus	Result < 10 cfu/g
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UMMFL - Aerobic Plate Count - AOAC 966.23	Reference AOAC 966.23	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 31Mar2022
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Breanna Lash
700 Tech Ct
Louisville, CO 80026

ANALYTICAL REPORT

AR-22-EI-007074-01

Received On: 29Mar2022

Reported On: 03Apr2022

Eurofins Sample Code:	397-2022-03290022	Sample Registration Date:	29Mar2022
Client Sample Code:	V0422055 - E	Condition Upon Receipt:	acceptable, 18.2°C
Sample Description:	CBDMEDIC Arthritis Aches & Pain Relief Cream		
Sample Reference:			

UMMFL - Aerobic Plate Count - AOAC 966.23	Reference AOAC 966.23	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 31Mar2022
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Parameter Listeria Species	Result Not Detected per 25 g
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ZMCKG - Pseudomonas aeruginosa - USF <62>	Reference USP <62>	Completed 01Apr2022	Sub 1
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Respectfully Submitted,



Jordan Shaw
Business Unit Manager

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Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027

Sample Name:	V0422055	Eurofins Sample:	11490461
Project ID	CHARLO_WEB-20220225-0122	Receipt Date	28-Feb-2022
PO Number	QC 325	Receipt Condition	Ambient temperature
Description	CBDMEDIC Arthritis Aches and Pain Relief Cream	Login Date	25-Feb-2022
		Date Started	28-Feb-2022
		Sampled	Sample results apply as received
		Online Order	18706-16DB9A01

Analysis	Result
Viscosity *	
Viscosity	24300 cP
Temperature, Spindle, Speed	25.0 C, T-D, 5 rpm
pH	
pH	3.59
Elements by ICP Mass Spectrometry	
Arsenic	<100 ppb
Cadmium	<50.0 ppb
Lead	<50.0 ppb
Mercury	<50.0 ppb
Glyphosate and AMPA	
Glyphosate	<100 ng/g
AMPA	<100 ng/g

Analysis	Limit	Result	Pass/Fail
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	20 ppb	<1.00 ppb	Pass
Sum of B1 B2 G1 and G2	20 ppb	<2.00 ppb	Pass
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

* This analysis or component is not ISO accredited.

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027

Sample Name:	V0422055	Eurofins Sample:	11490461
Project ID	CHARLO_WEB-20220225-0122	Receipt Date	28-Feb-2022
PO Number	QC 325	Receipt Condition	Ambient temperature
Description	CBDMEDIC Arthritis Aches and Pain Relief Cream	Login Date	25-Feb-2022
		Date Started	28-Feb-2022
		Sampled	Sample results apply as received
		Online Order	18706-16DB9A01

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

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

Chemical	Limit	Result	Pass/Fail
Isopropal Alcohol	5000 ppm	<500 ppm	Pass
Acetone	5000 ppm	<200 ppm	Pass
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.

Multi-Residue Analysis for hemp products - BCC Pesticide List

Pesticide	Limit	Result	Pass/Fail
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

* This analysis or component is not ISO accredited.

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027

Sample Name:	V0422055	Eurofins Sample:	11490461
Project ID	CHARLO_WEB-20220225-0122	Receipt Date	28-Feb-2022
PO Number	QC 325	Receipt Condition	Ambient temperature
Description	CBDMEDIC Arthritis Aches and Pain Relief Cream	Login Date	25-Feb-2022
		Date Started	28-Feb-2022
		Sampled	Sample results apply as received
		Online Order	18706-16DB9A01

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

* This analysis or component is not ISO accredited.

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Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027

Sample Name:	V0422055	Eurofins Sample:	11490461
Project ID	CHARLO_WEB-20220225-0122	Receipt Date	28-Feb-2022
PO Number	QC 325	Receipt Condition	Ambient temperature
Description	CBDMEDIC Arthritis Aches and Pain Relief Cream	Login Date	25-Feb-2022
		Date Started	28-Feb-2022
		Sampled	Sample results apply as received
		Online Order	18706-16DB9A01

Analysis	Limit	Result	Pass/Fail
Multi-Residue Analysis for hemp products - BCC Pesticide List			
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
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	<0.10 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

* This analysis or component is not ISO accredited.

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Louisville Colorado 80027

Sample Name:	V0422055	Eurofins Sample:	11490461
Project ID	CHARLO_WEB-20220225-0122	Receipt Date	28-Feb-2022
PO Number	QC 325	Receipt Condition	Ambient temperature
Description	CBDMEDIC Arthritis Aches and Pain Relief Cream	Login Date	25-Feb-2022
		Date Started	28-Feb-2022
		Sampled	Sample results apply as received
		Online Order	18706-16DB9A01

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

Analysis	Limit	Result	Pass/Fail
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
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.

Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminozide

Analysis	Limit	Result	Pass/Fail
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.

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

Analysis	Limit	Result	Pass/Fail
Metolachlor		<0.10 mg/kg	

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

Food Integrity Innovation-Madison

Internally Developed Method

6304 Ronald Reagan Ave Madison, WI 53704 USA

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Louisville Colorado 80027

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.

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Louisville Colorado 80027

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).

pH (PHAL_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis of AOAC INTERNATIONAL. 18th Ed., Method 981.12, AOAC INTERNATIONAL. Gaithersburg, MD.

Food Chemical Codex 7th Ed., The United States Pharmacopeia Convention (2010) Appendix II.

United States Pharmacopeia, 32nd Rev.-National Formulary 27th Ed., USP Convention, Inc., Rockville, MD (2009) General Chapter 791.

Viscosity (VSCT_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

EPA Product Properties Test Guidelines, OPPTS 830.7100, Viscosity (1996).
United States Pharmacopeia, 40th Rev., <912>, USP Convention. Rockville, Maryland (2016).
Client Supplied Method

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



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