


Prepared for:


CBD Clinic Level 5 Pain Relief Ointment
CWB HOLDINGS, INC

Batch ID or Lot Number: V0122073	Test: Potency	Reported: 3/18/22	Location: 700 Tech Ct. Louisville, CO 80027
Matrix: Concentrate	Test ID: T000198216	Started: 3/17/22	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis	Received: 03/16/2022 @ 10:41 AM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.014	0.045	ND	ND	Total THC per container is ND (44g and 200g).
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.016	0.051	ND	ND	
Cannabidiolic acid (CBDA)	0.019	0.060	ND	ND	
Cannabidiol (CBD)	0.018	0.058	1.041	10.41	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.017	0.056	ND	ND	
Cannabinolic Acid (CBNA)	0.010	0.032	ND	ND	
Cannabinol (CBN)	0.005	0.015	ND	ND	
Cannabigerolic acid (CBGA)	0.015	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	0.025	ND	ND	
Cannabidivarin (CBDV)	0.004	0.014	0.01*	0.1*	
Cannabichromenic Acid (CBCA)	0.006	0.018	ND	ND	
Cannabichromene (CBC)	0.006	0.020	ND	ND	
Total Cannabinoids			1.051	10.51	
Total Potential THC**			ND	ND	
Total Potential CBD**			1.041	10.41	


 Ryan Weems
 18-Mar-22
 4:49 PM


 Jacob Miller
 18-Mar-22
 4:51 PM

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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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

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


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CBD Clinic Level 5 Pain Relief Ointment
CWB HOLDINGS, INC

Batch ID or Lot Number: V0122073	Test: Potency	Reported: 3/18/22	Location: 700 Tech Ct. Louisville, CO 80027
Matrix: Concentrate	Test ID: T000198217	Started: 3/17/22	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis	Received: 03/16/2022 @ 10:41 AM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.013	0.043	ND	ND	Total THC per container is ND (44g and 200g).
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.015	0.049	ND	ND	
Cannabidiolic acid (CBDA)	0.018	0.057	ND	ND	
Cannabidiol (CBD)	0.017	0.055	0.997	9.97	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.016	0.054	ND	ND	
Cannabinolic Acid (CBNA)	0.009	0.031	ND	ND	
Cannabinol (CBN)	0.004	0.014	ND	ND	
Cannabigerolic acid (CBGA)	0.014	0.045	ND	ND	
Cannabigerol (CBG)	0.003	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.012	0.038	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.010	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.007	0.024	ND	ND	
Cannabidivarin (CBDV)	0.004	0.013	0.008*	0.08*	
Cannabichromenic Acid (CBCA)	0.005	0.017	ND	ND	
Cannabichromene (CBC)	0.006	0.019	ND	ND	
Total Cannabinoids			1.005	10.05	
Total Potential THC**			ND	ND	
Total Potential CBD**			0.997	9.97	


 Ryan Weems
 18-Mar-22
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 Jacob Miller
 18-Mar-22
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$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

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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CBD Clinic Level 5 Pain Relief Ointment


CWB HOLDINGS, INC

Batch ID or Lot Number: V0122073	Test: Potency	Reported: 3/18/22	Location: 700 Tech Ct. Louisville, CO 80027
Matrix: Concentrate	Test ID: T000198218	Started: 3/17/22	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis	Received: 03/16/2022 @ 10:41 AM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.012	0.040	ND	ND	Total THC per container is ND (44g and 200g).
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.014	0.045	ND	ND	
Cannabidiolic acid (CBDA)	0.016	0.052	ND	ND	
Cannabidiol (CBD)	0.016	0.051	1.010	10.10	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.015	0.049	ND	ND	
Cannabinolic Acid (CBNA)	0.009	0.028	ND	ND	
Cannabinol (CBN)	0.004	0.013	ND	ND	
Cannabigerolic acid (CBGA)	0.013	0.041	ND	ND	
Cannabigerol (CBG)	0.003	0.010	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.011	0.035	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.009	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.007	0.022	ND	ND	
Cannabidivarin (CBDV)	0.004	0.012	0.008*	0.08*	
Cannabichromenic Acid (CBCA)	0.005	0.016	ND	ND	
Cannabichromene (CBC)	0.005	0.017	ND	ND	
Total Cannabinoids			1.018	10.18	
Total Potential THC**			ND	ND	
Total Potential CBD**			1.010	10.10	

 Ryan Weems
18-Mar-22
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 Jacob Miller
18-Mar-22
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** 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

Charlotte's Web
Breanna Lash
700 Tech Ct.
Louisville, CO 80027

Receiving Date: 3/16/2022
CoA Date: 3/17/2022

██████████
Email: breanna.lash@charlottesweb.com

Certificate of Analysis

Sample Name: CBDCLINIC Level 5 Pain Relief Ointment
Lot Number: V0122073
Sample Description: ointment, plastic container BULK
Rush:
PO: QC 325

ANALYSIS	SPEC	RESULTS	METHOD
Camphor	9.9-12.1%	11.5% (wt/wt) (PASS)	GC (D-3053)
Menthol	14.4-17.6%	16.7% (wt/wt) (PASS)	GC (D-3053)

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027 United States

Sample Name:	V0122073	Eurofins Sample:	11548637
Project ID	CHARLO_WEB-20220315-0149	Receipt Date	16-Mar-2022
PO Number		Receipt Condition	Ambient temperature
Description	CBDClinic Level 5 Pain Relief Ointment	Login Date	15-Mar-2022
		Date Started	16-Mar-2022
		Sampled	Sample results apply as received
		Online Order	18706-16F33B72

Analysis	Result
Viscosity *	
Viscosity	70400 cP
Temperature, Spindle, Speed	25.0 C, T-D, 5 rpm
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
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

* This analysis or component is not ISO accredited.

Certificate of Analysis

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700 Tech Court
Louisville Colorado 80027 United States

Sample Name:	V0122073	Eurofins Sample:	11548637
Project ID	CHARLO_WEB-20220315-0149	Receipt Date	16-Mar-2022
PO Number		Receipt Condition	Ambient temperature
Description	CBDClinic Level 5 Pain Relief Ointment	Login Date	15-Mar-2022
		Date Started	16-Mar-2022
		Sampled	Sample results apply as received
		Online Order	18706-16F33B72

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

Analysis	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

Analysis	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
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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Project ID	CHARLO_WEB-20220315-0149	Receipt Date	16-Mar-2022
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		Date Started	16-Mar-2022
		Sampled	Sample results apply as received
		Online Order	18706-16F33B72

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

* This analysis or component is not ISO accredited.

Certificate of Analysis

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700 Tech Court
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Sample Name:	V0122073	Eurofins Sample:	11548637
Project ID	CHARLO_WEB-20220315-0149	Receipt Date	16-Mar-2022
PO Number		Receipt Condition	Ambient temperature
Description	CBDclinic Level 5 Pain Relief Ointment	Login Date	15-Mar-2022
		Date Started	16-Mar-2022
		Sampled	Sample results apply as received
		Online Order	18706-16F33B72

Analysis	Limit	Result	Pass/Fail
Multi-Residue Analysis for hemp products - BCC Pesticide List			
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
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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Description	CBDClinic Level 5 Pain Relief Ointment	Login Date	15-Mar-2022
		Date Started	16-Mar-2022
		Sampled	Sample results apply as received
		Online Order	18706-16F33B72

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

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 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.

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

Metolachlor		<0.10 mg/kg	
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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, 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).

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Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027 United States

Method References

Testing Location

Glyphosate and AMPA (GLY_AMP_A_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.

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.

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Page 6 of 7

Certificate of Analysis

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700 Tech Court
Louisville Colorado 80027 United States

Method References

Testing Location

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).

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



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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CW Hemp - 02

Breanna Lash
700 Tech Ct
Louisville, CO 80026

Client Code: EI0000236
PO#: QC 325

Received On: 27Apr2022
Reported On: 03May2022

ANALYTICAL REPORT

AR-22-EI-009486-01

Eurofins Sample Code: 397-2022-04270027	Sample Registration Date: 27Apr2022
Client Sample Code: V0122073 - B	Condition Upon Receipt: acceptable, 19.2°C
Sample Description: CBDCLINIC Level 5 Pain Relief Ointment	Sample Reference:

UM4BV - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 02May2022
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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 29Apr2022
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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 28Apr2022
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Parameter
Salmonella

Result
Not Detected per 25 g

UMHBM - Staphylococcus aureus - BAM Chapter 12	Reference BAM Chapter 12	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 29Apr2022
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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 29Apr2022
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ANALYTICAL REPORT

AR-22-EI-009486-01

Received On: 27Apr2022

Reported On: 03May2022

Eurofins Sample Code:	397-2022-04270027	Sample Registration Date:	27Apr2022
Client Sample Code:	V0122073 - B	Condition Upon Receipt:	acceptable, 19.2°C
Sample Description:	CBDCLINIC Level 5 Pain Relief Ointment		

UMMFL - Aerobic Plate Count - AOAC 966.23	Reference AOAC 966.23	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 29Apr2022
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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 28Apr2022
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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 02May2022	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, Wisconsin

Respectfully Submitted,



Kiley Ridgway
Operations Support Specialist II



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CW Hemp - 02

Breanna Lash
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Client Code: EI0000236
PO#: QC 325

Received On: 27Apr2022
Reported On: 03May2022

ANALYTICAL REPORT

AR-22-EI-009487-01

Eurofins Sample Code:	397-2022-04270028	Sample Registration Date:	27Apr2022
Client Sample Code:	V0122073 - M	Condition Upon Receipt:	acceptable, 19.2°C
Sample Description:	CBDCLINIC Level 5 Pain Relief Ointment	Sample Reference:	
UM4BV - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 02May2022
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 29Apr2022
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 28Apr2022
Parameter Salmonella	Result Not Detected per 25 g		
UMHBM - Staphylococcus aureus - BAM Chapter 12	Reference BAM Chapter 12	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 29Apr2022
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 29Apr2022

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ANALYTICAL REPORT

AR-22-EI-009487-01

Received On: 27Apr2022

Reported On: 03May2022

Eurofins Sample Code: 397-2022-04270028	Sample Registration Date: 27Apr2022
Client Sample Code: V0122073 - M	Condition Upon Receipt: acceptable, 19.2°C
Sample Description: CBDCLINIC Level 5 Pain Relief Ointment	Sample Reference:

UMMFL - Aerobic Plate Count - AOAC 966.23	Reference AOAC 966.23	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 29Apr2022
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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 28Apr2022
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Parameter Listeria Species	Result Not Detected per 25 g
--------------------------------------	--

ZMCKG - Pseudomonas aeruginosa - USF <62>	Reference USP <62>	Completed 02May2022	Sub 1
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Parameter Pseudomonas aeruginosa	Result Not Detected per 10 g
--	--

Subcontracting partners:
1 - Eurofins Microbiology Lab Madison, Wisconsin

Respectfully Submitted,



Kiley Ridgway
Operations Support Specialist II



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CW Hemp - 02

Client Code: EI0000236
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ANALYTICAL REPORT

AR-22-EI-009488-01

Received On: 27Apr2022
Reported On: 03May2022

Eurofins Sample Code: 397-2022-04270029	Sample Registration Date: 27Apr2022
Client Sample Code: V0122073 - E	Condition Upon Receipt: acceptable, 19.2°C
Sample Description: CBDCLINIC Level 5 Pain Relief Ointment	Sample Reference:

UM4BV - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 02May2022
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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 29Apr2022
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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 28Apr2022
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Parameter
Salmonella

Result
Not Detected per 25 g

UMHBM - Staphylococcus aureus - BAM Chapter 12	Reference BAM Chapter 12	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 29Apr2022
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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 29Apr2022
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ANALYTICAL REPORT

AR-22-EI-009488-01

Received On: 27Apr2022

Reported On: 03May2022

Eurofins Sample Code: 397-2022-04270029	Sample Registration Date: 27Apr2022
Client Sample Code: V0122073 - E	Condition Upon Receipt: acceptable, 19.2°C
Sample Description: CBDCLINIC Level 5 Pain Relief Ointment	Sample Reference:

UMMFL - Aerobic Plate Count - AOAC 966.23	Reference AOAC 966.23	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 29Apr2022
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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 28Apr2022
--	------------------------------------	--	-------------------------------

Parameter Listeria Species	Result Not Detected per 25 g
--------------------------------------	--

ZMCKG - Pseudomonas aeruginosa - USF <62>	Reference USP <62>	Completed 02May2022	Sub 1
--	------------------------------	-------------------------------	-----------------

Parameter Pseudomonas aeruginosa	Result Not Detected per 10 g
--	--

Subcontracting partners:
1 - Eurofins Microbiology Lab Madison, Wisconsin

Respectfully Submitted,



Kiley Ridgway
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