

Prepared for:

CBDCLINIC Level 5 Pain Relief Stick

CWB HOLDINGS, INC


Batch ID or Lot Number: V0122066	Test: Potency	Reported: 3/11/22	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Concentrate	Test ID: T000197022	Started: 3/10/22	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 03/09/2022 @ 10:42 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)	0.002	0.007	ND	ND	Total THC per container (40g) is ND.
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.002	0.008	ND	ND	
Cannabidiolic acid (CBDA)	0.016	0.049	ND	ND	
Cannabidiol (CBD)	0.015	0.048	0.980	9.80	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.017	0.053	ND	ND	
Cannabinolic Acid (CBNA)	0.010	0.030	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)	0.006	0.021	ND	ND	
Cannabidivarin (CBDV)	0.004	0.011	0.005*	0.05*	
Cannabichromenic Acid (CBCA)	0.005	0.017	ND	ND	
Cannabichromene (CBC)	0.006	0.019	ND	ND	
Total Cannabinoids			0.985	9.85	
Total Potential THC**			ND	ND	
Total Potential CBD**			0.980	9.80	


Jacob Miller
11-Mar-22
11:12 AM


Karen Winternheimer
11-Mar-22
11:18 AM

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:

CBDCLINIC Level 5 Pain Relief Stick

CWB HOLDINGS, INC


Batch ID or Lot Number: V0122066	Test: Potency	Reported: 3/11/22	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Concentrate	Test ID: T000197023	Started: 3/10/22	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 03/09/2022 @ 10:42 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)	0.002	0.007	ND	ND	Total THC per container (40g) is ND.
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.003	0.008	ND	ND	
Cannabidiolic acid (CBDA)	0.017	0.053	ND	ND	
Cannabidiol (CBD)	0.016	0.051	1.037	10.37	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.018	0.057	ND	ND	
Cannabinolic Acid (CBNA)	0.010	0.032	ND	ND	
Cannabinol (CBN)	0.005	0.015	ND	ND	
Cannabigerolic acid (CBGA)	0.015	0.048	ND	ND	
Cannabigerol (CBG)	0.004	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.013	0.040	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.010	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.007	0.022	ND	ND	
Cannabidivarin (CBDV)	0.004	0.012	0.005*	0.05*	
Cannabichromenic Acid (CBCA)	0.006	0.018	ND	ND	
Cannabichromene (CBC)	0.006	0.020	ND	ND	
Total Cannabinoids			1.042	10.42	
Total Potential THC**			ND	ND	
Total Potential CBD**			1.037	10.37	

 Jacob Miller
11-Mar-22
11:12 AM

 Karen Winternheimer
11-Mar-22
11:18 AM

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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.



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Certificate #4329.02

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CWB HOLDINGS, INC


Batch ID or Lot Number: V0122066	Test: Potency	Reported: 3/11/22	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Concentrate	Test ID: T000197024	Started: 3/10/22	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 03/09/2022 @ 10:42 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)	0.002	0.008	ND	ND	Total THC per container (40g) is ND.
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.003	0.009	ND	ND	
Cannabidiolic acid (CBDA)	0.017	0.054	ND	ND	
Cannabidiol (CBD)	0.017	0.053	1.016	10.16	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.019	0.058	ND	ND	
Cannabinolic Acid (CBNA)	0.011	0.033	ND	ND	
Cannabinol (CBN)	0.005	0.015	ND	ND	
Cannabigerolic acid (CBGA)	0.016	0.049	ND	ND	
Cannabigerol (CBG)	0.004	0.012	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.013	0.042	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.011	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.007	0.023	ND	ND	
Cannabidivarin (CBDV)	0.004	0.013	0.005*	0.05*	
Cannabichromenic Acid (CBCA)	0.006	0.019	ND	ND	
Cannabichromene (CBC)	0.007	0.021	ND	ND	
Total Cannabinoids			1.021	10.21	
Total Potential THC**			ND	ND	
Total Potential CBD**			1.016	10.16	

 Jacob Miller
11-Mar-22
11:12 AM

 Karen Winternheimer
11-Mar-22
11:18 AM

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Definitions

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* 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)

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CDPHE Certified



Certificate #4329.02

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

Receiving Date:3/9/2022
CoA Date: 3/11/2022



Email: breanna.lash@charlottesweb.com

Certificate of Analysis

Sample Name: CBD CLINIC Level 5 Pain Relief Stick
Lot Number: V0122066
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%	16.5% (wt/wt) (PASS)	GC (D-3053)

Certificate of Analysis

Charlotte's Web, Inc

700 Tech Court
Loui ville Colorado 80027

Sample Name:	V0122066	Eurofins Sample:	11525728
Project ID	CHARLO_WEB-20220308-0136	Receipt Date	09-Mar-2022
PO Number	QC 325	Receipt Condition	Ambient temperature
Description	CBDCLINIC Level 5 Pain Relief Stick	Login Date	08-Mar-2022
		Date Started	10-Mar-2022
		Sampled	Sample results apply as received
		Online Order	18706-16EA0644

Analysis	Result
Elements by ICP Mass Spectrometry	
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	5.91 ppb
Mercury	<5.00 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

Chemical	Limit	Result	Pass/Fail
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

Chemical	Limit	Result	Pass/Fail
Isopropal Alcohol	5000 ppm	<500 ppm	Pass
Acetone	5000 ppm	<200 ppm	Pass
Acetonitrile	410 ppm	<200 ppm	Pass

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700 Tech Court
Loui ville Colorado 80027

Sample Name:	V0122066	Eurofins Sample:	11525728
Project ID	CHARLO_WEB-20220308-0136	Receipt Date	09-Mar-2022
PO Number	QC 325	Receipt Condition	Ambient temperature
Description	CBDCLINIC Level 5 Pain Relief Stick	Login Date	08-Mar-2022
		Date Started	10-Mar-2022
		Sampled	Sample results apply as received
		Online Order	18706-16EA0644

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

Analysis	Limit	Result	Pass/Fail
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
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

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Loui ville Colorado 80027

Sample Name:	V0122066	Eurofins Sample:	11525728
Project ID	CHARLO_WEB-20220308-0136	Receipt Date	09-Mar-2022
PO Number	QC 325	Receipt Condition	Ambient temperature
Description	CBDCLINIC Level 5 Pain Relief Stick	Login Date	08-Mar-2022
		Date Started	10-Mar-2022
		Sampled	Sample results apply as received
		Online Order	18706-16EA0644

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

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PO Number	QC 325	Receipt Condition	Ambient temperature
Description	CBDCLINIC Level 5 Pain Relief Stick	Login Date	08-Mar-2022
		Date Started	10-Mar-2022
		Sampled	Sample results apply as received
		Online Order	18706-16EA0644

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

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Louisville Colorado 80027

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PO Number	QC 325	Receipt Condition	Ambient temperature
Description	CBDCLINIC Level 5 Pain Relief Stick	Login Date	08-Mar-2022
		Date Started	10-Mar-2022
		Sampled	Sample results apply as received
		Online Order	18706-16EA0644

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

Method References	Testing Location
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
Elements by ICP Mass Spectrometry (ICP_MS_S)	Food Integrity Innovation-Madison
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).	6304 Ronald Reagan Ave Madison, WI 53704 USA
Glyphosate and AMPA (GLY_AMPAS)	Food Integrity Innovation-Madison
Monsanto Company Method ME-1466-02, "High Throughput Assay for Glyphosate and AMPA in Raw Agricultural Commodities and Processed Fractions Using LC/MS/MS".	6304 Ronald Reagan Ave Madison, WI 53704 USA

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027

Method References

Testing Location

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.

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).

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027

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

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

Edward Ladwig - President Eurofins Food
Chemistry Testing Madison



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)

 1371 Horizon Avenue
 Lafayette, Colorado 80026
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 Micro-Colorado@eurofinsUS.com

CW Hemp - 02

 Breanna Lash
 700 Tech Ct
 Louisville, CO 80026

ANALYTICAL REPORT

AR-22-EI-009046-01

Client Code: EI0000236
PO#: PO110633 QC 325

Received On: 22Apr2022
Reported On: 28Apr2022

Eurofins Sample Code:	397-2022-04220085	Sample Registration Date:	22Apr2022
Client Sample Code:	V0122066 Beginning	Condition Upon Receipt:	acceptable, 21°C
Sample Description:	CBD CLINIC Level 5 Pain Relief Stick 40g	Sample Reference:	
UM4BV - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 27Apr2022
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 24Apr2022
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 23Apr2022
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 24Apr2022
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 24Apr2022

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ANALYTICAL REPORT

AR-22-EI-009046-01

Client Code: EI0000236
PO#: PO110633 QC 325

Received On: 22Apr2022
Reported On: 28Apr2022

Eurofins Sample Code: 397-2022-04220085	Sample Registration Date: 22Apr2022
Client Sample Code: V0122066 Beginning	Condition Upon Receipt: acceptable, 21°C
Sample Description: CBD CLINIC Level 5 Pain Relief Stick 40g	Sample Reference:

UMMFL - Aerobic Plate Count - AOAC 966.23	Reference AOAC 966.23	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 24Apr2022
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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 23Apr2022
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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 28Apr2022	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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ANALYTICAL REPORT

AR-22-EI-009047-01

Client Code: EI0000236
PO#: PO110633 QC 325

Received On: 22Apr2022
Reported On: 28Apr2022

Eurofins Sample Code:	397-2022-04220086	Sample Registration Date:	22Apr2022
Client Sample Code:	V0122066 Middle	Condition Upon Receipt:	acceptable, 21°C
Sample Description:	CBD CLINIC Level 5 Pain Relief Stick 40g	Sample Reference:	
UM4BV - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 27Apr2022
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 24Apr2022
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 23Apr2022
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 24Apr2022
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 24Apr2022

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ANALYTICAL REPORT

AR-22-EI-009047-01

Client Code: EI0000236
PO#: PO110633 QC 325

Received On: 22Apr2022
Reported On: 28Apr2022

Eurofins Sample Code:	397-2022-04220086	Sample Registration Date:	22Apr2022
Client Sample Code:	V0122066 Middle	Condition Upon Receipt:	acceptable, 21°C
Sample Description:	CBD CLINIC Level 5 Pain Relief Stick 40g		
Sample Reference:			

UMMFL - Aerobic Plate Count - AOAC 966.23	Reference AOAC 966.23	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 24Apr2022
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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 23Apr2022
--------------------------------------------------	------------------------------------	------------------------------------------------------------	-------------------------------

Parameter Listeria Species	Result Not Detected per 25 g
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ZMCKG - Pseudomonas aeruginosa - USF <62>	Reference USP <62>	Completed 28Apr2022	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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ANALYTICAL REPORT

AR-22-EI-009048-01

Client Code: EI0000236
PO#: PO110633 QC 325

Received On: 22Apr2022
Reported On: 28Apr2022

Eurofins Sample Code:	397-2022-04220087	Sample Registration Date:	22Apr2022
Client Sample Code:	V0122066 End	Condition Upon Receipt:	acceptable, 21°C
Sample Description:	CBD CLINIC Level 5 Pain Relief Stick 40g	Sample Reference:	

UM4BV - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 27Apr2022
------------------------------------------------	---------------------------------------------	------------------------------------------------------------	-------------------------------

Parameter Yeast	Result < 10 cfu/g
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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 24Apr2022
----------------------------------------------	---------------------------------	------------------------------------------------------------	-------------------------------

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 23Apr2022
----------------------------------------------------	------------------------------------	------------------------------------------------------------	-------------------------------

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 24Apr2022
-------------------------------------------------------	------------------------------------	------------------------------------------------------------	-------------------------------

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 24Apr2022
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ANALYTICAL REPORT

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Client Code: EI0000236
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Received On: 22Apr2022
Reported On: 28Apr2022

Eurofins Sample Code: 397-2022-04220087	Sample Registration Date: 22Apr2022
Client Sample Code: V0122066 End	Condition Upon Receipt: acceptable, 21°C
Sample Description: CBD CLINIC Level 5 Pain Relief Stick 40g	Sample Reference:

UMMFL - Aerobic Plate Count - AOAC 966.23	Reference AOAC 966.23	Accreditation ISO/IEC 17025:2017 A2LA 3329.11	Completed 24Apr2022
--------------------------------------------------	---------------------------------	------------------------------------------------------------	-------------------------------

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 23Apr2022
--------------------------------------------------	------------------------------------	------------------------------------------------------------	-------------------------------

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

ZMCKG - Pseudomonas aeruginosa - USF <62>	Reference USP <62>	Completed 28Apr2022	Sub 1
--------------------------------------------------------	------------------------------	-------------------------------	-----------------

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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