

Lot or Batch Number:	A01148
Reference Test Method:	MTH-002.R1
Date Analysis Completed:	16-Feb-2022
Description of sample:	50mg Olive Oil 30mL
Analyst:	Morgan Stock

Analysis Density

Density:

Analysis Density Result (g/mL)

Density 0.920

Analyst: Morgan Stock

Analyst signature: 

Date: 16 Feb 22

Approved By: Leewaphath Kaiyasang

Approver Signature: 

Date: 16 Feb 22

Prepared for:

CWB HOLDINGS, INC
50mg Olive Oil 30mL

Batch ID or Lot Number: A01148B	Test: Potency	Reported: 2/21/22	Location: 700 Tech Ct. Louisville, CO 80027
Matrix: Concentrate	Test ID: T000193499	Started: 2/18/22	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC (Colorado Panel)	Received: 02/17/2022 @ 07:59 AM	Sampler ID: N/A

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 serving (0.5mL) is 0.785mg. Total THC per container (30mL) is 47.1mg.
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.003	0.009	0.157	1.57	
Cannabidiolic acid (CBDA)	0.016	0.057	ND	ND	
Cannabidiol (CBD)	0.015	0.055	6.840	68.40	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.018	0.059	0.02*	0.2*	
Cannabinolic Acid (CBNA)	0.010	0.034	ND	ND	
Cannabinol (CBN)	0.005	0.015	0.041	0.41	
Cannabigerolic acid (CBGA)	0.015	0.049	ND	ND	
Cannabigerol (CBG)	0.004	0.012	0.094	0.94	
Tetrahydrocannabivarinic Acid (THCVA)	0.013	0.042	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.011	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.006	0.024	ND	ND	
Cannabidivarin (CBDV)	0.004	0.013	0.015	0.15	
Cannabichromenic Acid (CBCA)	0.006	0.019	ND	ND	
Cannabichromene (CBC)	0.006	0.021	0.290	2.90	
Total Cannabinoids			7.457	74.57	
Total Potential THC**			0.157	1.57	
Total Potential CBD**			6.840	68.40	



 Hannah Wright
 21-Feb-2022
 12:47 PM



 Ryan Weems
 21-Feb-22
 12:49 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.

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

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

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

Prepared for:

CWB HOLDINGS, INC
50mg Olive Oil 30mL

Batch ID or Lot Number: A01148M	Test: Potency	Reported: 2/24/22	Location: 700 Tech Ct. Louisville, CO 80027
Matrix: Concentrate	Test ID: T000194268	Started: 2/23/22	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC (Colorado Panel)	Received: 02/21/2022 @ 01:32 PM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.002	0.007	ND	ND	Total THC is 1.42 mg per serving (1mL). Total THC is 42.6 mg per container (30mL).
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.002	0.008	0.142	1.42	
Cannabidiolic acid (CBDA)	0.021	0.056	ND	ND	
Cannabidiol (CBD)	0.020	0.055	6.507	65.07	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.015	0.054	0.016*	0.16*	
Cannabinolic Acid (CBNA)	0.008	0.031	ND	ND	
Cannabinol (CBN)	0.004	0.014	0.041	0.41	
Cannabigerolic acid (CBGA)	0.012	0.045	ND	ND	
Cannabigerol (CBG)	0.003	0.011	0.095	0.95	
Tetrahydrocannabivarinic Acid (THCVA)	0.010	0.038	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.010	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.009	0.023	ND	ND	
Cannabidivarin (CBDV)	0.005	0.013	0.017	0.17	
Cannabichromenic Acid (CBCA)	0.005	0.017	ND	ND	
Cannabichromene (CBC)	0.005	0.019	0.282	2.82	
Total Cannabinoids			7.100	71.00	
Total Potential THC**			0.142	1.42	
Total Potential CBD**			6.507	65.07	



 Ryan Weems
 24-Feb-2022
 08:29 PM



 Daniel Weidensaul
 24-Feb-22
 8:32 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.

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

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

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.



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Certificate #4329.02

Prepared for:

CWB HOLDINGS, INC

Batch ID or Lot Number: A01148E	Test: Potency	Reported: 2/21/22	Location: 700 Tech Ct. Louisville, CO 80027
Matrix: Concentrate	Test ID: T000193509	Started: 2/18/22	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC (Colorado Panel)	Received: 02/17/2022 @ 07:59 AM	Sampler ID: N/A

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 (0.5mL) is 0.765mg. Total THC per container (30mL) is 45.9mg.
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.003	0.009	0.153	1.53	
Cannabidiolic acid (CBDA)	0.017	0.060	ND	ND	
Cannabidiol (CBD)	0.016	0.059	6.726	67.26	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.019	0.063	ND	ND	
Cannabinolic Acid (CBNA)	0.011	0.036	ND	ND	
Cannabinol (CBN)	0.005	0.016	0.039	0.39	
Cannabigerolic acid (CBGA)	0.016	0.053	ND	ND	
Cannabigerol (CBG)	0.004	0.013	0.093	0.93	
Tetrahydrocannabinavarinic Acid (THCVA)	0.014	0.045	ND	ND	
Tetrahydrocannabinavarin (THCV)	0.004	0.011	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.007	0.025	ND	ND	
Cannabidivarin (CBDV)	0.004	0.014	0.015	0.15	
Cannabichromenic Acid (CBCA)	0.006	0.020	ND	ND	
Cannabichromene (CBC)	0.007	0.022	0.281	2.81	
Total Cannabinoids			7.307	73.07	
Total Potential THC**			0.153	1.53	
Total Potential CBD**			6.726	67.26	



 Hannah Wright
 21-Feb-2022
 12:47 PM



 Ryan Weems
 21-Feb-22
 12:49 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.

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

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

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

50mg Olive Oil 30mL

Batch ID:	A01148B	Test ID:	T000193501
Matrix:	Finished Product	Received:	02/17/2022 @ 07:59 AM
Test:	Microbial Contaminants: A-La-Carte	Started:	2/21/2022
Method(s):	TM-28	Reported:	2/28/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
<i>E. coli</i>	TM-28: Culture Plating	10 ² CFU/g	N/A	Absent

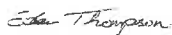
NOTES:

Free from visual mold, mildew, and foreign matter

DEFINITIONS:

CFU = Colony Forming Units | LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL



Eden Thompson-Wrigl
28-Feb-2022
11:53 AM



Sarah Henning
28-Feb-2022
1:04 PM

PREPARED BY / DATE

APPROVED BY / DATE

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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.03. Testing associated with this certificate of analysis performed by an external ISO17025 accredited provider.



Certificate #4329.03

50mg Olive Oil 30mL

Batch ID:	A01148M	Test ID:	T000193505
Matrix:	Finished Product	Received:	02/17/2022 @ 07:59 AM
Test:	Microbial Contaminants: A-La-Carte	Started:	2/21/2022
Method(s):	TM-28	Reported:	2/28/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
<i>E. coli</i>	TM-28: Culture Plating	10 ² CFU/g	N/A	Absent

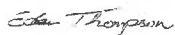
NOTES:

Free from visual mold, mildew, and foreign matter

DEFINITIONS:

CFU = Colony Forming Units | LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL



Eden Thompson-Wrigl
28-Feb-2022
11:53 AM



Sarah Henning
28-Feb-2022
1:04 PM

PREPARED BY / DATE

APPROVED BY / DATE

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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.03. Testing associated with this certificate of analysis performed by an external ISO17025 accredited provider.



50mg Olive Oil 30mL

Batch ID:	A01148E	Test ID:	T000193511
Matrix:	Finished Product	Received:	02/17/2022 @ 07:59 AM
Test:	Microbial Contaminants: A-La-Carte	Started:	2/21/2022
Method(s):	TM-28	Reported:	2/28/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
<i>E. coli</i>	TM-28: Culture Plating	10 ² CFU/g	N/A	Absent

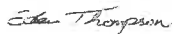
NOTES:

Free from visual mold, mildew, and foreign matter

DEFINITIONS:

CFU = Colony Forming Units | LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL



Edén Thompson-Wrigl
28-Feb-2022
11:53 AM



Sarah Henning
28-Feb-2022
1:04 PM

PREPARED BY / DATE

APPROVED BY / DATE

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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.03. Testing associated with this certificate of analysis performed by an external ISO17025 accredited provider.



Certificate #4329.03

Prepared for:

CWB HOLDINGS, INC
50mg Olive Oil 30mL

Batch ID or Lot Number: A01148B	Test: Microbial Contaminants	Reported: 2/21/22	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Finished Product	Test ID: T000193500	Started: 2/17/22	USDA License: N/A
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Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 02/17/2022 @ 07:59 AM	Sampler ID: N/A
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MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
STEC	TM-25, PCR	10 ⁰ CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	10 ⁰ CFU/25 g	NA	NA	Absent	

Brianne Maillott
 Brianne Maillott
 2/20/2022
 1:22:00 PM

Brett Hudson
 Brett Hudson
 2/21/2022
 9:24:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

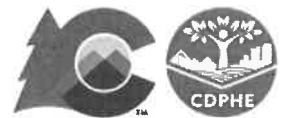
LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples:
 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

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Certificate #4329.02

Prepared for:

CWB HOLDINGS, INC

50mg Olive Oil 30mL

Batch ID or Lot Number: A01148M	Test: Microbial Contaminants	Reported: 2/25/22	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Finished Product	Test ID: T000194269	Started: 2/22/22	USDA License: N/A
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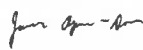
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 02/21/2022 @ 01:32 PM	Sampler ID: N/A
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MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
STEC	TM-25, PCR	10 ⁰ CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	10 ⁰ CFU/25 g	NA	NA	Absent	



Carly Bader
 2/25/2022
 11:59:00 AM



Jackson Osaghae-Nosa
 2/25/2022
 12:30:00 PM

PREPARED BY / DATE

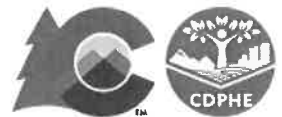
APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation
 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*
 * Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples:
 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

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Certificate #4329.02

Prepared for:

CWB HOLDINGS, INC
50mg Olive Oil 30mL

Batch ID or Lot Number: A01148E	Test: Microbial Contaminants	Reported: 2/21/22	Location: 700 Tech Ct. Louisville, CO 80027
Matrix: Finished Product	Test ID: T000193510	Started: 2/17/22	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 02/17/2022 @ 07:59 AM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
STEC	TM-25, PCR	10 ⁰ CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	10 ⁰ CFU/25 g	NA	NA	Absent	


 Brianne Maillot
 2/20/2022
 1:22:00 PM


 Brett Hudson
 2/21/2022
 9:24:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

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CDPHE Certified



Certificate #4329.02

Prepared for:

CWB HOLDINGS, INC
50mg Olive Oil 30mL

Batch ID or Lot Number: A01148M	Test: Metals	Reported: 2/25/22	Location: 700 Tech Ct. Louisville, CO 80027
Matrix: Unit Co	Test ID: T000194271	Started: 2/25/22	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 02/21/2022 @ 01:32 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.045 - 4.51	ND	
Cadmium	0.045 - 4.52	ND	
Mercury	0.044 - 4.41	ND	
Lead	0.043 - 4.29	ND	



 Ryan Weems
 25-Feb-22
 3:43 PM



 Daniel Weidensaul
 25-Feb-22
 3:47 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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**50mg Olive Oil 30mL**

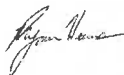
Batch ID or Lot Number: A01148M	Test: Mycotoxins	Reported: 2/24/22	Location: 700 Tech Ct. Louisville, CO 80027
Matrix: Concentrate	Test ID: T000194272	Started: 2/23/22	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 02/21/2022 @ 01:32 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.6 - 134.9	ND	N/A
Aflatoxin B1	1.1 - 33.8	ND	
Aflatoxin B2	0.8 - 33.9	ND	
Aflatoxin G1	1 - 33.7	ND	
Aflatoxin G2	0.9 - 33	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


Hannah Wright
24-Feb-22
12:19 PM

PREPARED BY / DATE


Ryan Weems
24-Feb-22
12:21 PM

APPROVED BY / DATE

Definitions

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

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027

Sample Name:	A01148M	Eurofins Sample:	11449921
Project ID	CHARLO_WEB-20220216-0091	Receipt Date	22-Feb-2022
PO Number	QC 325	Receipt Condition	Ambient temperature
Description	50mg Olive Oil 30mL	Login Date	16-Feb-2022
		Date Started	22-Feb-2022
		Sampled	Sample results apply as received
		Number Composited	2
		Online Order	16040-16CF9C3E

Analysis	Result
Glyphosate and AMPA	
Glyphosate	<100 ng/g
AMPA	<100 ng/g

Analysis	Limit	Result	Pass/Fail
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			
Isopropal Alcohol	5000 ppm	501 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

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Analysis	Limit	Result	Pass/Fail
BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices			
The Pass/Fail reporting designations are relative to the limits set forth by the Bureau of Cannabis Control, Title 16, Division 42.		-	
11471187/1->RETEST			
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
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

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Analysis	Limit	Result	Pass/Fail
11471187/1->RETEST			
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
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

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Analysis	Limit	Result	Pass/Fail
11471187/1->RETEST			
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
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

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Analysis	Limit	Result	Pass/Fail
Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminoside			
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**

11471187/1->RETEST (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.

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

Glyphosate and AMPA (GLY_AMPAS) **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".

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Method References

Testing Location

Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminoside (PEST_HEMP)

Food Integrity Innovation-Madison

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

Food Integrity Innovation-Madison

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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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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.