

4687343-0

Report Date:

28-Oct-2024

Report Status:

Final

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court

Louisville Colorado 80027 United States

Sample Name:	A01368 - Composite	Eurofins Sample:	14629738
Project ID	CHARLO WEB-20241022-0356	Receipt Date	23-Oct-2024
PO Number	QC 325	Receipt Condition	Ambient temperature
Sample Serving Size	1 mL	Login Date	22-Oct-2024
Description	17mg Organic Olive Oil 100mL	Date Started	23-Oct-2024
Description	100	Sampled	Sample results apply as received
	MFG: October 21 2024 EXP: October 21 2026	Number Composited	3
		Online Order	901-2024-E078674
Analysis			Result
Industrial Hemp Can	nnabinoid Profile		
CBDVA			None detected at detection limit
			of 0.0004 %
CBDV			0.261 mg/g
CBDA			None detected at detection limit
			of 0.0004 %
CBGA			None detected at detection limit
			of 0.0004 %
CBG			0.357 mg/g
CBD			21.5 mg/g <0.0250 mg/g
THCV			0.0567 mg/g
CBN			0.0567 mg/g 0.340 mg/g
Delta 9-THC			
Delta 8-THC			None detected at detection limit of 0.0017 %
THCA			None detected at detection limit of 0.0017 %
СВС			0.775 mg/g
THCVA			None detected at detection limit
MOVA			of 0.0004 %
CBNA			None detected at detection limit
			of 0.0004 %
CBCA			None detected at detection limit
			of 0.0017 %
CBL			0.0332 mg/g
Total Cannabinoids	•		23.3 mg/g
Total THC (THC + ((THCA x 0.877))		0.340 mg/g
Total CBD (CBD +	(CBDA x 0.877))		21.5 mg/g
Total THC (THC + (31.9 mg/container
Total CBD (CBD +	(CBDA x 0.877))		2010 mg/container
Density by Gravime	tric Analysis		0.000 / 1
Density			0.938 g/mL
Elements by ICP Ma	ss Spectrometry		

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oject ID	CHARLO_WEB-20241022-0356	Receipt Da	te 23-Oct-2024	
0,000.12	QC 325	Receipt Co	ondition Ambient temperatu	re
o manibol	i mL	Login Date	22-Oct-2024	
anipio ooi riiig oime	17mg Organic Olive Oil 100mL	Date Starte	ed 23-Oct-2024	
	100	Sampled	Sample results app	ly as received
1	MFG: October 21 2024 EXP: October 2	21 2026 Number Co	omposited 3	
		Online Ord	ler 901-2024-E078674	
Analysis			Re	esult
Elements by ICP Mass	Spectrometry			
Lead				00 ppb
Arsenic				.0 ppb
Cadmium				00 ppb
Mercury			<5.0	00 ppb
Mycotoxins in Raw Ma	terials			
Aflatoxin B1				00 ppb
Aflatoxin B2				00 ppb
Aflatoxin G1				00 ppb
Aflatoxin G2				00 ppb
Ochratoxin A				00 ppb
Sum of Aflatoxins B1,	B2, G1, and G2		<2.0	00 ppb
Glyphosate and AMPA	ı.			
Glyphosate				ng/Serve
AMPA			<46.9	ng/Serve
Analysis		Limit	Result	Pass/Fai
	nt Analysis in Cannabis and Hemp Ma	atrices		
	olvent 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
•	m for Ethylene Oxide is not		-	
	od. Reporting limit of 25			
ppm is the limit recom				
CASP.				
Category II Residual S	olvent or Processing Chemical		505	B
Isopropal Alcohol		5000 ppm	<500 ppm	Pass
		5000 ppm	<200 ppm	Pass

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Description	17mg Organic Olive Oil 100mL	Date Started	23-Oct-2024	
Jesonplion	100	Sampled	Sample results apply as received	
	MFG: October 21 2024 EXP: October 21 2026	Number Composited		
		Online Order	901-2024-E078674	
Analysis	Li	mit	Result	Pass/Fail
BCC - Residual Solv	vent Analysis in Cannabis and Hemp Matrices			
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) 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-, me	eta-, para-) 2170) ppm	<160 ppm	Pass
			-	
Isobutane (2-Methy	ylpropane)		<500 ppm	
Summed Group 2 (H	Heptanes)		450.0	
2,2,3-Trimethylbuta	ane		<50.0 ppm	
2,3-Dimethylpentar	ne		<50.0 ppm	
2,4-Dimethylpentar	ne		<50.0 ppm	
2-Methylhexane			<50.0 ppm	
3,3-Dimethylpentar	ne		<50.0 ppm	
3-Ethylpentane			<50.0 ppm	
3-Methylhexane			<50.0 ppm	
Summed Group 3 (F			<25.0 ppm	
2,2-Dimethylbutane			<25.0 ppm	
2,3-Dimethylbutane	9		<25.0 ppm	
2-Methylpentane			<25.0 ppm	
3-Methylpentane			~25.0 ppm	

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- Composite	Eurofins Sample:	14629738	
14 FD 000 44000 00F0	Descint Date	23-Oct-2024	
_WEB-20241022-0356	Receipt Date	Ambient temperature	
	Receipt Condition	22-Oct-2024	
	Login Date	23-Oct-2024	
ganic Olive Oil 100mL	Date Started	Sample results apply	as received
1-1-1-04 2024 EVB: October 21 2026	Sampled Number Composite		40,000,100
tober 21 2024 EXP: October 21 2026	Online Order	901-2024-E078674	
	Limit	Result	Pass/Fail
	LIIIIL	resuit	
sis in Cannabis and Hemp Matrices			
		<40.0 ppm	
nn nachuste BCC Pasticida List		rate pp.	
np products - BCC Pesticide List 0.3	3 mg/kg	<0.30 mg/kg	Pass
	mg/kg	<0.10 mg/kg	Pass
	mg/kg	<1.0 mg/kg	Pass
	mg/kg	<0.10 mg/kg	Pass
	I mg/kg	<0.10 mg/kg	Pass
	i mg/kg	<0.10 mg/kg	Pass
	l mg/kg	<0.10 mg/kg	Pass
) mg/kg	<0.10 mg/kg	Pass
	mg/kg	<0.10 mg/kg	Pass
	5 mg/kg	<0.10 mg/kg	Pass
) mg/kg	<0.10 mg/kg	Pass
	mg/kg	<0.20 mg/kg	Pass
	5 mg/kg	<0.10 mg/kg	Pass
	1 mg/kg	<0.10 mg/kg	Pass
	l mg/kg	<0.10 mg/kg	Pass
) mg/kg	<0.10 mg/kg	Pass
	1 mg/kg	<0.10 mg/kg	Pass
	I mg/kg	<0.10 mg/kg	Pass
	l mg/kg	<0.10 mg/kg	Pass
	l mg/kg	<0.10 mg/kg	Pass
	5 mg/kg	<0.10 mg/kg	Pass
	T	<0.10 mg/kg	Pass
	* -		Pass
		<0.10 mg/kg	Pass
		<0.10 mg/kg	Pass
		<0.10 mg/kg	Pass
	1 1 0.2	0.1 mg/kg 1 mg/kg 1 mg/kg 0.2 mg/kg 0.1 mg/kg	1 mg/kg <0.10 mg/kg 1 mg/kg <0.10 mg/kg 0.2 mg/kg <0.10 mg/kg

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Sample Serving Size	1 mL	Login Date	22-Oct-2024	
Description	17mg Organic Olive Oil 100mL	Date Started	23-Oct-2024	
Description	100	Sampled	Sample results app	oly as received
	MFG. October 21 2024 EXP: October 21 2026	Number Con		
		Online Order	901-2024-E07867	
Analysis		Limit	Result	Pass/Fail
Multi-Residue Analy	sis for hemp products - BCC Pesticide List			
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
Methiocarb sulfone		0.1 mg/kg	<0.10 mg/kg	Pass
Methiocarb sulfoxid	e	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

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Louisville Colorado 80027 United States

Sample Name:	A01368 - Composite		Eurofins Sample:	14629738	
Project ID	CHARLO_WEB-20241022-0356		Receipt Date	23-Oct-2024	
O Number	QC 325		Receipt Condition	Ambient temperature	е
Sample Serving Size	1 mL		Login Date	22-Oct-2024	
Description	17mg Organic Olive Oil 100mL		Date Started	23-Oct-2024	
occorrption.	100		Sampled	Sample results apply	y as received
	MFG: October 21 2024 EXP: October	er 21 2026	Number Composited		
			Online Order	901-2024-E078674	
Analysis		Lim	t	Result	Pass/Fail
Multi-Residue Analy	ysis for hemp products - BCC Pestici	de List			
Pentachlorobenzer		0.2 mg	/kg	<0.10 mg/kg	Pass
Pentachlorobenzor	nitrile	0.2 mg	/kg	<0.10 mg/kg	Pass
Pentachlorothioani	sole	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 (sur	n 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
Pentachloronitrobe	enzene	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 report to the limits set for Control, Title 16, D	orting designations are relative th by the Bureau of Cannabis vivision 42.			-	
Multi-Residue Anal	ysis for hemp products - BCC Pestici	des Fenhexami	d and Daminoside		
Daminozide		0.1 mg		<0.10 mg/kg	Pass
Fenhexamid		10 mg	/kg	<0.10 mg/kg	Pass
	orting designations are relative th by the Bureau of Cannabis			-	
		Dana Caf O			

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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

Density by Gravimetric Analysis (SPGP_S)

Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA

NIST Handbook 133 - Checking the Net Contents of Packaged Goods, 2015 Edition (Modified)

Elements by ICP Mass Spectrometry (ICP_MS_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, Methods 2011.19 and 993.14, and 2015.01, AOAC INTERNATIONAL, (Modified).

Glyphosate and AMPA (GLY_AMPA_S)

Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA

Internally developed method.

Industrial Hemp Cannabinoid Profile (IHCBD_S)

Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC 2018.11, AOAC International, Gaithersburg, MD (Modified).

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.



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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

6304 Ronald Reagan Ave Madison, WI 53704 USA

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

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

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

Mycotoxins in Raw Materials (MYCO_REG_S)

Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA

Varga, E., Glauner, T., Koppen, R., Mayer, K., Sulyok, M., Schumacher, R., Krska, R. and Berthiller, F., "Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS," Analytical and BioAnalytical Chemistry, 402:2675-2686 (2012).

Testing Location(s)

Released on Behalf of Eurofins by

Food Integrity Innovation-Madison

Edward Ladwig - President Eurofins Food Chemistry Testing Madison

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





2918.01

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

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Eurofins Microbiology Laboratory (Colorado)

1371 Horizon Avenue Lafavette, Colorado 80026 +1 720-758-6010

Micro-Colorado@eurofinsUS.com

CW Hemp

Rupa Das 700 Tech Ct Louisville, CO 80027 ANALYTICAL REPORT

AR-24-EI-024774-01

Client Code: El0000061

PO#: QC 325

Received On: 22Oct2024 Reported On: 27Oct2024

Eurofins Sample Code:

Client Sample Code:

Sample Description:

397-2024-10220071 A01368 - Composite

100mL

17mg Organic Olive Oil

Sample Registration Date: 220ct2024

Condition Upon Receipt: acceptable, 20.1°C

Sample Reference:

Note:

Testing has been performed in accordance with CDPHE hemp regulations, and is for official compliance purposes. LOD and LOQ are as follows: APC, Coliform, YM counts: LOD = 10CFU/g if plated from 1:10 dilution; 1 CFU/g if plated directly. Salmonella Bacgene: LOD = 0.6 CFU/25g sample, STEC VirX LOD = 1.2 CFU/25g sample. Measurement Uncertainty is

as follows: APC 5.58%; Coliform 3.76%; Yeast 5.98%; Mold 10.64%

Weight **Product type** 627.3

UMDBM - Total Coliforms - AOAC 991.14

Reference

AOAC 991.14

Accreditation ISO/IEC 17025:2017 Completed 23Oct2024

A2LA 3329.11

Parameter

Total Coliforms

Result

< 10 cfu/g

UMDTC - Salmonella species - AOAC-RI

121501

Reference

AOAC-RI 121501

Accreditation ISO/IEC 17025:2017 Completed 23Oct2024

A2LA 3329.11

Parameter

Result

Salmonella spp.

Not Detected per 25 g

UMMFL - Aerobic Plate Count - AOAC

966.23

Reference AOAC 966.23 Accreditation ISO/IEC 17025:2017 Completed 24Oct2024

A2LA 3329.11

Parameter

Aerobic Plate Count

Result

< 10 cfu/g

ZMJAF - Yeasts & Moulds - FDA BAM

Chapter 18 mod.

Reference

FDA BAM Chapter 18 mod.

Accreditation ISO/IEC 17025:2017 Completed 27Oct2024

A2LA 3329.11

Parameter

Result

Yeasts & Moulds

< 10 cfu/g

ZMJHN - Shiga-toxin Escherichia coli

producer - AOAC-RI 121203

Reference

AOAC-RI 121203

Completed 23Oct2024

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CW Hemp

Rupa Das 700 Tech Ct Louisville, CO 80027

ANALYTICAL REPORT

AR-24-EI-024774-01

Client Code: El0000061

PO#: QC 325

Received On: 22Oct2024 Reported On: 27Oct2024

Eurofins Sample Code:

397-2024-10220071

Sample Registration Date: 22Oct2024

Client Sample Code:

A01368 - Composite 17mg Organic Olive Oil Condition Upon Receipt: acceptable, 20.1°C

Sample Description:

Sample Reference:

100mL

Testing has been performed in accordance with CDPHE hemp regulations, and is for official compliance purposes. LOD and LOQ are as follows: APC, Coliform, YM counts: LOD = 10CFU/g if plated from 1:10 dilution; 1 CFU/g if plated directly. Salmonella Bacgene: LOD = 0.6 CFU/25g sample, STEC VirX LOD = 1.2 CFU/25g sample. Measurement Uncertainty is

as follows: APC 5.58%; Coliform 3.76%; Yeast 5.98%; Mold 10.64%

Weight

Parameter

Note:

627.3

Product type

oil

ZMJHN - Shiga-toxin Escherichia coli

Reference

AOAC-RI 121203

Completed 23Oct2024

producer - AOAC-RI 121203

Result

Shiga-toxin Escherichia coli producer

Not Detected per 25 g

Respectfully Submitted,

Jake Gilgen

Laboratory Manager 4-565

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 | A number or a v 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