

Summary Report

Report No.:544425

507 Highland Drive River Falls, WI, 54022 Phone: (715) 426-0246 Fax: (715) 426-0251

www.eurofinsus.com/biodiagnostics

Date Reported: 11/07/2019 **Date Completed:** 11/07/2019 **Date Received:** 09/09/2019

Customer Proximity Capital Partners LLC dba Asutra

BioDiagnostics

Office: Chicago, IL

Street Address: 4159 W. Montrose Ave. City, State, Zip: Chicago, Illinois, 60641

Phone:

BDI Sample Number: 119158787

Sample Description: Melatonin Magnesium CBD Cream

 Lot: 80301
 UPC#:

 SKU#:
 Product#:

 Batch#:
 Serving Size:

Sample Summary: Amended rep	ort – Pass			
Test Requested	Results	Criteria	Pass/Fail	Comments
Aerobic Plate Count (UMPRE) SUSGA02-Interco	<10 CFU/g	<1x10^5 CFU/g	Pass	•
E. Coli (UM73J) SUSGA02-Interco	<10 CFU/g	ABSENT	Pass	
Listeria (UM7TC) SUSGA02- Interco	Not Detected per 25g	ABSENT	Pass	
Salmonella (UMN6C) SUSGA02- Interco	Not Detected per 25g	ABSENT	Pass	
Yeast and mold (UMN2K) SUSGA02-Interco	<10 CFU/g	<1x10^4 CFU/g	Pass	
Cannabinoids (SC0G7) SUSRF01- HPLC	242.81mg/100mL	300mg/100mL	Fail	Failure resolved - See retesting results; CBD = 2.53mg/g
Cannabinoids Second Analysis (SC0G7) SUSRF01-HPLC	243.15mg/100mL	300mg/100mL	Fail	Failure resolved - See retesting results; CBD = 2.54mg/g
Heavy Metals (As, Cd, Hg, and Pb) (FS001-1) COVA-Interco	Pb = 45.8ppb; All others <loq< td=""><td>All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action></td></loq<>	All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action>	Pass	Action limits available upon request
Residual Pesticides (PEST_HEMP) COVA-Interco	All <action limits<="" td=""><td>All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action></td></action>	All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action>	Pass	Action limits available upon request
Residual Solvents (Acids Only) (USPR_ACD_S) COVA-Interco	All <action limits<="" td=""><td>All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action></td></action>	All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action>	Pass	Action limits available upon request
Residual Solvents (Non Volatile) (USPR_DIN_S) COVA-Interco	All <action limits<="" td=""><td>All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action></td></action>	All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action>	Pass	Action limits available upon request
Industrial Hemp Cannabinoid Potency (IHCBD - CDA-0010393- ARS)-Interco	286.00mg/100mL	300mg/100mL	Pass	Retest 1; CBD = 0.298%
Industrial Hemp Cannabinoid Potency (IHCBD - CDA-0010393- ARS)-Interco	293.67mg/100mL	300mg/100mL	Pass	Retest 3; CBD = 0.306%
Industrial Hemp Cannabinoid Potency (IHCBD - CDA-0010393- ARS)-Interco	286.96mg/100mL	300mg/100mL	Pass	Retest 2; CBD = 0.299%

Report Comment:

Subsequent original reports to the summary report are independently paginated as received from the testing laboratory.

Pass/Fail criteria are defined by the CVS Health Transparency program with specification limits based on FDA guidelines for dietary supplements products. Add

Retest comments.

Eurofins BioDiagnostics, Inc. warrants that it uses due care when performing tests for its customers. However, testing results are only reflective of the sample submitted by the customer. Eurofins BioDiagnostics, Inc. does not warrant the sample is representative of the lot from which the sample is drawn. Except for the testing services provided, Eurofins BioDiagnostics, Inc. makes no warranties or guarantees of any kind, expressed or implied, with respect to the services rendered.

1 of 1

Thank you for your business!

Emily Stressman

Emily Stressman
Assistant Sales and Project Manager

Summary Report EBDI.13231 Rev.01292019



Report Number:

Report Date: 06-Nov-2019

2681100-0

Report Status: Final

Certificate of Analysis

Eurofins BioDiagnostics, Inc.

Sample Name:	Melatonin Magnesium CBD Cream	Eurofins Sample:	8956915
Project ID	EUROFINS-20191025-2027	Receipt Date	25-Oct-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Sample Serving Size		Login Date	25-Oct-2019
Description	119158787	Date Started	29-Oct-2019

Description	119158787	Date Started	29-Oct-2019
Analysis			Result
Industrial Hemp	o Cannabinoid Profile		
CBDVA			<0.00250 %
CBDV			<0.00250 %
CBDA			<0.00250 %
CBGA			<0.00250 %
CBG			<0.00250 %
CBD			0.298 %
THCV			<0.00250 %
CBN			<0.00250 %
Delta 9-THC			<0.00250 %
Delta 8-THC			<0.00500 %
THCA			<0.00250 %
CBC			<0.00250 %
Total Cannabir	noids		0.298 %
Total THC (TH	IC + (THCA x 0.877))		<0.00500 %
Total CBD (CB	BD + (CBDA x 0.877))		0.298 %
CBDVA			<0.00250 %
CBDV			<0.00250 %
CBDA			<0.00250 %
CBGA			<0.00250 %
CBG			<0.00250 %
CBD			0.306 %
THCV			<0.00250 %
CBN			<0.00250 %
Delta 9-THC			<0.00250 %
Delta 8-THC			<0.00500 %
THCA			<0.00250 %
CBC			<0.00250 %
Total Cannabir			0.306 %
•	IC + (THCA x 0.877))		<0.00500 %
	BD + (CBDA x 0.877))		0.306 %
CBDVA			<0.00250 %
CBDV			<0.00250 %
CBDA			<0.00250 %
CBGA			<0.00250 %
CBG			<0.00250 %

Printed: 06-Nov-2019 10:31 am

Page 1 of 2

Report Number: 2681100-0

Report Date: 06-Nov-2019

Report Status: Final

Certificate of Analysis

Eurofins BioDiagnostics, Inc.

Sample Name:	Melatonin Magnesium CBD Cream	Eurofins Sample:	8956915
Project ID	EUROFINS-20191025-2027	Receipt Date	25-Oct-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Sample Serving Size		Login Date	25-Oct-2019
Description	119158787	Date Started	29-Oct-2019

Analysis	Result
Industrial Hemp Cannabinoid Profile	
CBD	0.299 %
THCV	<0.00250 %
CBN	<0.00250 %
Delta 9-THC	<0.00250 %
Delta 8-THC	<0.00500 %
THCA	<0.00250 %
CBC	<0.00250 %
Total Cannabinoids	0.299 %
Total THC (THC + (THCA x 0.877))	<0.00500 %
Total CBD (CBD + (CBDA x 0.877))	0.299 %

Method References Testing Location

Industrial Hemp Cannabinoid Profile (IHCBD_S)

Food Integrity Innovation-Madison

Official Methods of Analysis, Method 2018.11, AOAC INTERNATIONAL, (Modified). Lukas Vaclavik, Frantisek Benes, Alex Krmela, Veronika Svobodova, Jana Hajsolva and Katerina Mastovska, "Quantification of Cannabinoids in Cannabis Dried Plant Materials, Concentrates, and Oils Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection, " First Action Method, Journal of AOAC International, Future Issue

Testing Location(s) Released on Behalf of Eurofins by

Food Integrity Innovation-Madison

Edward Ladwig - Director

Eurofins Food Chemistry Testing US, Inc. 3301 Kinsman Blvd Madison WI 53704 800-675-8375





2918.01

These results apply to the sample as received and only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins.

Printed: 06-Nov-2019 10:31 am Page 2 of 2



Summary Report

Report No.:531218

507 Highland Drive River Falls, WI, 54022 Phone: (715) 426-0246 Fax: (715) 426-0251

www.eurofinsus.com/biodiagnostics

Date Reported: 10/01/2019 **Date Completed:** 09/19/2019 **Date Received:** 09/09/2019

Customer Proximity Capital Partners LLC dba Asutra

BioDiagnostics

Office: Chicago, IL

Street Address: 4159 W. Montrose Ave. City, State, Zip: Chicago, Illinois, 60641

Phone:

BDI Sample Number: 119158787

Sample Description: Melatonin Magnesium CBD Cream

Lot: 80301 UPC#:
SKU#: Product#:
Batch#: Serving Size:

Sample Summary: Fail				
Test Requested	Results	Criteria	Pass/Fail	Comments
Aerobic Plate Count (UMPRE) SUSGA02-Interco	<10 CFU/g	<1x10^5 CFU/g	Pass	
E. Coli (UM73J) SUSGA02-Interco	<10 CFU/g	ABSENT	Pass	
Listeria (UM7TC) SUSGA02- Interco	Not Detected per 25g	ABSENT	Pass	
Salmonella (UMN6C) SUSGA02- Interco	Not Detected per 25g	ABSENT	Pass	
Yeast and mold (UMN2K) SUSGA02-Interco	<10 CFU/g	<1x10^4 CFU/g	Pass	
Cannabinoids (SC0G7) SUSRF01- HPLC	242.81mg/100mL	300mg/100mL	Fail	CBD = 2.53mg/g
Cannabinoids Second Analysis (SC0G7) SUSRF01-HPLC	243.15mg/100mL	300mg/100mL	Fail	CBD = 2.54mg/g
leavy Metals (As, Cd, Hg, and Pb) (FS001-1) COVA-Interco	Pb = 45.8ppb; All others <loq< td=""><td>All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action></td></loq<>	All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action>	Pass	Action limits available upon request
Residual Pesticides (PEST_HEMP) COVA-Interco	All <action limits<="" td=""><td>All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action></td></action>	All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action>	Pass	Action limits available upon request
Residual Solvents (Acids Only) (USPR_ACD_S) COVA-Interco	All <action limits<="" td=""><td>All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action></td></action>	All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action>	Pass	Action limits available upon request
Residual Solvents (Non Volatile) (USPR DIN S) COVA-Interco	All <action limits<="" td=""><td>All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action></td></action>	All <action limits<="" td=""><td>Pass</td><td>Action limits available upon request</td></action>	Pass	Action limits available upon request

Report Comment:

Subsequent original reports to the summary report are independently paginated as received from the testing laboratory.

Pass/Fail criteria are defined by the CVS Health Transparency program with specification limits based on FDA guidelines for dietary supplements products.

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1 of 1

Thank you for your business!

Emily Stressman

Emily Stressman
Assistant Sales and Project Manager

Summary Report EBDI.13231 Rev.01292019



BioDiagnostics

Certificate of Analysis

507 Highland Drive River Falls, WI, 54022 Phone: (715) 426-0246 Fax: (715) 426-0251

Total THC*

ND

ND

ND

www.eurofinsus.com/biodiagnostics

Date Reported: 09/16/2019
Date Completed: 09/13/2019
Date Received: 09/09/2019
Testing Method: HPLC-DAD

Customer Name: Proximity Capital Partners LLC dba Asutra

Office: Chicago, IL

Street Address: 4159 W. Montrose Ave City, State, Zip: Chicago, IL 60641

Phone:

	Sample Information	Cannabinoid Name	ID	Weight %	Conc. mg/g	Conc. mg/ 3.38 oz
Sample No:	119158787-Rep 1	Cannabichromenic Acid	CBCA	ND	ND	ND
Crop:	Hemp, Industrial	Cannabicyclol	CBL	ND	ND	ND
Variety:	Melatonin Magnesium CBD Cream	Cannabidiol	CBD	0.25	2.53	242.81
Lot:	80301	Cannabidiolic Acid	CBDA	ND	ND	ND
Seed Size:		Cannabidivarin	CBDV	ND	ND	ND
Customer Tracking#:		Cannabidivarinic Acid	CBDVA	ND	ND	ND
Seeds Per Pound:		Cannabigerol	CBG	ND	ND	ND
Batch:		Cannabigerolic Acid	CBGA	ND	ND	ND
LIMS:		Cannabichromene	CBC	ND	ND	ND
IL:		Cannabinol	CBN	ND	ND	ND
		Cannabinolic Acid	CBNA	ND	ND	ND
Comments:	LOQ= 50 ppm or 0.005 wt %	Δ9-Tetrahydrocannabinol	Δ9-ΤΗС	ND	ND	ND
		Δ8-Tetrahydrocannabinol	Δ8-ΤΗС	ND	ND	ND
	-	Tetrahydrocannabinolic Acid A	THCA-A	ND	ND	ND
		Tetrahydrocannabivarin	THCV	ND	ND	ND
		Tetrahydrocannabivarinic Acid	THCVA	ND	ND	ND
		Total	Cannabinoids	0.25	2.53	242.81

*Total THC is calculated as the sum of $\Delta 9$ -THC + $\Delta 8$ -THC + (THCA-A * 0.877) + THCV + (THCV-A * 0.877).

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Joseph Zalusky Approved Chemist, Gas Chromatogra

Mafely



BioDiagnostics

Certificate of Analysis

507 Highland Drive River Falls, WI, 54022 Phone: (715) 426-0246 Fax: (715) 426-0251

www.eurofinsus.com/biodiagnostics

Date Reported: 09/16/2019
Date Completed: 09/13/2019
Date Received: 09/09/2019
Testing Method: HPLC

Customer Name: Proximity Capital Partners LLC dba Asutra

Office: Chicago, IL

Street Address:4159 W. Montrose AveCity, State, Zip:Chicago, IL 60641

Phone:

	Sample Information	Cannabinoid Name	ID	Weight %	Conc. mg/g	Conc. mg/3.38 oz
Sample No:	119158787-Rep 2	Cannabichromenic Acid	CBCA	ND	ND	ND
Crop:	Hemp, Industrial	Cannabicyclol	CBL	ND	ND	ND
Variety:	Melatonin Magnesium CBD Cream	Cannabidiol	CBD	0.25	2.54	243.15
Lot:	80301	Cannabidiolic Acid	CBDA	ND	ND	ND
Seed Size:		Cannabidivarin	CBDV	ND	ND	ND
Customer Tracking#:		Cannabidivarinic Acid	CBDVA	ND	ND	ND
Seeds Per Pound:		Cannabigerol	CBG	ND	ND	ND
Batch:		Cannabigerolic Acid	CBGA	ND	ND	ND
LIMS:		Cannabichromene	CBC	ND	ND	ND
IL:		Cannabinol	CBN	ND	ND	ND
		Cannabinolic Acid	CBNA	ND	ND	ND
Comments:	LOQ= 50 ppm or 0.005 wt %	$\Delta 9$ -Tetrahydrocannabinol	Δ9-ΤΗС	ND	ND	ND
		$\Delta 8$ -Tetrahydrocannabinol	$\Delta 8$ -THC	ND	ND	ND
		Tetrahydrocannabinolic Acid A	THCA-A	ND	ND	ND
		Tetrahydrocannabivarin	THCV	ND	ND	ND
		Tetrahydrocannabivarinic Acid	THCVA	ND	ND	ND
	V 6	Total	Cannabinoids	0.25	2.54	243.15
	Y		Total THC*	ND	ND	ND

*Total THC is calculated as the sum of $\Delta 9$ -THC + $\Delta 8$ -THC + (THCA-A * 0.877) + THCV + (THCV-A * 0.877).

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Joseph Zalusky

Approved Chemist, Gas Chromatography American Oil Chemists' Society (AOCS)



Microbiology

Eurofins Microbiology Laboratories (Garden Grove)
11390 Knott Ave
Garden Grove, CA 92841, US
www.eurofinsus.com
Tel:+1 714 892 0208

CERTIFICATE OF ANALYSIS

EUUSRF - 4-A25 - Eurofins BioDiagnostics (River Falls) Attn: EBDIRF Reports 507 Highland Dr. River Falls, WI 54022 AR-19-QR-019117-01

Client Code: QR0000282 Batch Code: EUUSGA2-00033758

PO Number: Hemp INTERCO

Report Date: 09/16/2019 Entry Date: 09/11/2019

Eurofins Sample Code: 111-2019-09110027

Client Sample Code:

119158787

Analysis Date: 9/11/2019

Sample Description: Melatonin Magnesium CBD Cream

Condition Upon Receipt: Acceptable

Test UMPRE - Aerobic Plate Count - AOAC 966.23 Method Reference: AOAC 966.23	Res	ult
*Aerobic Plate Count	< 10	cfu/g
UMN2K - Yeast - BAM Chapter 18 Method Reference: FDA BAM Chapter 18		
*Yeast	< 10	cfu/g
*Moulds	< 10	cfu/g
UM73J - Total Coliforms - AOAC 991.14		
Method Reference: AOAC 991.14 *Coliforms	< 10	cfu/g
*Escherichia coli	< 10	cfu/g
UMN6C - Salmonella spp AOAC 2004.03		
Method Reference: AOAC 2004.03 Salmonella	Not Detected	per 25 g
UM7TC - Listeria spp AOAC 2004.06		
Method Reference: AOAC 2004.06 Listeria Species	Not Detected	per 25 g

^{*}The test result is covered by our current A2LA accreditation.



Microbiology

Eurofins Microbiology Laboratories (Garden Grove) 11390 Knott Ave Garden Grove, CA 92841, US www.eurofinsus.com

Tel:+1 714 892 0208

AR-19-QR-019117-01

EUUSRF - 4-A25 - Eurofins BioDiagnostics (River Falls) Attn: EBDIRF Reports

507 Highland Dr. River Falls, WI 54022

Client Code: QR0000282

Batch Code: EUUSGA2-00033758 PO Number: Hemp INTERCO

Report Date: 09/16/2019 Entry Date: 09/11/2019

Respectfully Submitted, Eurofins Scientific, Inc.

Viridiana Castro

Microbiology Supervisor

Testing Cert #3329.05

Results shown in this report relate solely to the item submitted for analysis.

All results are reported on an "As Received" basis unless otherwise stated.

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Retained samples are discarded 30 days after receipt; certain exceptions apply.

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Report Number: 2640759-0

Report Date: 30-Sep-2019

Report Status: Final

Certificate of Analysis

Eurofins BioDiagnostics, Inc.

507 Highland Drive

River Falls Wisconsin 54022 United States

Sample Name:	Melatonin Magnesium CBD Cream	Eurofins Sample:	8807113
Project ID	EUROFINS-20190909-1491	Receipt Date	11-Sep-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	119158787	Login Date	09-Sep-2019
Sample Serving Size		Date Started	13-Sep-2019
		Online Order	14114-123946E5
Analysis			Result

Elements by ICP Mass Spectrometry	
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	45.8 ppb
Mercury	<5.00 ppb
Multi-Residue Analysis for hemp products - 60+ compounds	
Matrix Type - To Determine Limit of Quantification (LOQ)	Spices - Botanicals - and other
	Specialty Samples
Abamectin	<0.05 mg/kg
Aldicarb	<0.05 mg/kg
Aldicarb sulfone (Aldoxycarb)	<0.05 mg/kg
Aldicarb sulfoxide	<0.05 mg/kg
Azoxystrobin	<0.05 mg/kg
Bifenazate	<0.05 mg/kg
Bifenthrin	<0.05 mg/kg
Carbaryl	<0.05 mg/kg
Carbofuran	<0.05 mg/kg
Carbofuran-3-hydroxy-	<0.05 mg/kg
Chlorantraniliprole	<0.05 mg/kg
Chlordane, cis-	<0.05 mg/kg
Chlordane, trans-	<0.05 mg/kg
Chlorfenapyr	<0.05 mg/kg
Chlorpyrifos	<0.05 mg/kg
Coumaphos	<0.05 mg/kg
Cyfluthrin	<0.05 mg/kg
Cypermethrin	<0.05 mg/kg
Cyproconazole (2 diastereoisomers)	<0.05 mg/kg
Cyprodinil	<0.05 mg/kg
Dichlorvos	<0.05 mg/kg
Diclobutrazol	<0.05 mg/kg
Dipropetryn	<0.05 mg/kg
Disulfoton	<0.05 mg/kg
Endosulfan I (alpha-isomer)	<0.05 mg/kg
Endosulfan II (beta-isomer)	<0.05 mg/kg
Endosulfan sulfate	<0.05 mg/kg

^{*} This analysis or component is not ISO accredited.

Printed: 30-Sep-2019 4:01 pm



Report Number: 2640759-0

Report Date: 30-Sep-2019

Report Status: Final

Certificate of Analysis

Eurofins BioDiagnostics, Inc.

507 Highland Drive

River Falls Wisconsin 54022 United States

Sample Name:	Melatonin Magnesium CBD Cream	Eurofins Sample:	8807113
Project ID	EUROFINS-20190909-1491	Receipt Date	11-Sep-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	119158787	Login Date	09-Sep-2019
Sample Serving Size		Date Started	13-Sep-2019
p. : - 31 1 g		Online Order	14114-123946E5

	Offillie Offier	17117-120070L0
Analysis		Result
Multi-Residue Analysis for hemp products - 60+ compounds		
Epoxiconazole		<0.05 mg/kg
Ethiofencarb		<0.05 mg/kg
Etofenprox		<0.05 mg/kg
Etoxazole		<0.05 mg/kg
Fenoxycarb		<0.05 mg/kg
Fenpropathrin		<0.05 mg/kg
Fenvalerate/Esfenvalerate (sum of isomers)		<0.05 mg/kg
Fipronil		<0.05 mg/kg
Fipronil desulfinyl		<0.05 mg/kg
Fipronil sulfone		<0.05 mg/kg
lmazalil		<0.05 mg/kg
Imidacloprid		<0.05 mg/kg
Malathion		<0.05 mg/kg
Methiocarb		<0.05 mg/kg
Methiocarb sulfone		<0.05 mg/kg
Methiocarb sulfoxide		<0.05 mg/kg
Methomyl		<0.05 mg/kg
Mevinphos (E- and Z-isomers)		<0.05 mg/kg
Myclobutanil		<0.05 mg/kg
Naled (Dibrom)		<0.05 mg/kg
Paclobutrazol		<0.05 mg/kg
Permethrin (sum of isomers)		<0.05 mg/kg
Propoxur		<0.05 mg/kg
Spinetoram (spinosyns J and L)		<0.05 mg/kg
Spinosad (spinosyns A and D)		<0.05 mg/kg
Spirodiclofen		<0.05 mg/kg
Spiromesifen		<0.05 mg/kg
Spiromesifen enol		<0.05 mg/kg
Spirotetramat		<0.05 mg/kg
Spiroxamine (2 diastereoisomers)		<0.05 mg/kg
Tebuconazole		<0.05 mg/kg
Thiabendazole		<0.05 mg/kg
Thiabendazole-5-hydroxy-		<0.05 mg/kg
Thiacloprid		<0.05 mg/kg

^{*} This analysis or component is not ISO accredited.

Printed: 30-Sep-2019 4:01 pm

Report Number:

Report Date: 30-Sep-2019

Report Status:

Final

2640759-0

Certificate of Analysis

Eurofins BioDiagnostics, Inc.

507 Highland Drive

River Falls Wisconsin 54022 United States

Sample Name:	Melatonin Magnesium CBD Cream	Eurofins Sample:	8807113
Project ID	EUROFINS-20190909-1491	Receipt Date	11-Sep-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	119158787	Login Date	09-Sep-2019
Sample Serving Size	Date Started	13-Sep-2019	
		Online Order	14114-123946E5
Analysis			Result

Multi-Residue Analysis for hemp products - 60+ compounds	
----------------------------------------------------------	--

Trifloxystrobin < 0.05 mg/kg
Metolachlor < 0.05 mg/kg
Pyrethrum (total) < 0.50 mg/kg

LOQ	Limit	Result	Pass/Fail
C, Class 3 DMSO (Nonvo	latile Solvents) *		
50 ppm	50 ppm	<50.0 ppm	Pass
160 ppm	160 ppm	<160 ppm	Pass
880 ppm	880 ppm	<880 ppm	Pass
1090 ppm	1090 ppm	<1090 ppm	Pass
250 ppm	250 ppm	<250 ppm	Pass
620 ppm	620 ppm	<620 ppm	Pass
530 ppm	530 ppm	<530 ppm	Pass
220 ppm	220 ppm	<220 ppm	Pass
160 ppm	160 ppm	<160 ppm	Pass
ds Only *			
200 ppm		<200 ppm	
200 ppm		<200 ppm	
	C, Class 3 DMSO (Nonvolum) 50 ppm 160 ppm 880 ppm 1090 ppm 250 ppm 620 ppm 530 ppm 220 ppm 160 ppm	C, Class 3 DMSO (Nonvolatile Solvents) * 50 ppm 50 ppm 160 ppm 160 ppm 880 ppm 880 ppm 1090 ppm 1090 ppm 250 ppm 250 ppm 620 ppm 620 ppm 530 ppm 530 ppm 220 ppm 220 ppm 160 ppm 160 ppm	C, Class 3 DMSO (Nonvolatile Solvents) * 50 ppm 50 ppm < 50.0 ppm 160 ppm 160 ppm < 160 ppm 880 ppm 880 ppm <880 ppm 1090 ppm 1090 ppm <1090 ppm 250 ppm 250 ppm <250 ppm 620 ppm 620 ppm 620 ppm <620 ppm 530 ppm 530 ppm <530 ppm <250 ppm 220 ppm 220 ppm <220 ppm 160 ppm 160 ppm <160 ppm dis Only * 200 ppm <200 ppm

Method References Testing Location

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).

Pequette, 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).

* This analysis or component is not ISO accredited.

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2640759-0

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Method References Testing Location

Multi-Residue Analysis for hemp products - 60+ compounds (PEST_HEMP)

Food Integ. Innovation-Greenfield

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.

Residual Solvents - Class 2 Mix C, Class 3 DMSO (Nonvolatile Solvents) (USPR DI S)

Food Integrity Innovation-Madison

United States Pharmacopeia, 39th Rev. - National Formulary 34th Ed., Method <467>, USP Convention, Inc., Rockville, MD (2016). (Modified).

Residual Solvents - Class 3, Acids Only (USPR_ACD_S)

Food Integrity Innovation-Madison

[1] United States Pharmacopeia, 39th Rev. - National Formulary 34th Ed., Method <467>, USP Convention, Inc., Rockville, MD (2015). (Modified)

[2] Zhou, D., Hou, Q., Liu, W., Ren, X., "Rapid determination of formic and acetic acids in biomass hydrosylate by headspace gas chromatography," Journal of Industrial and Engineering Chemistry, 47:281-287 (2017).

Testing Location(s)

Released on Behalf of Eurofins by

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2918.06

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Edward Ladwig - Director





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