

CERTIFICATE OF MANUFACTURE

Page 1 of 1

Product Description	: HEMP MAX	CBD LIQUID	Date of Manufacture	:	07/2021
Product Number	: 57767-30-BS	8	Date of Expiration:	:	07/2023
Packaging Lot Number	: 2874-2107				
	:				

APPROVED BY :

QC Manager

RIDC PARK WEST, 112 TECHNOLOGY DRIVE, PITTSBURGH, PA - 15275, US

Date: 10/20/21 12:46:12



 CoA #
 21072130

 CoA Date
 08/03/2021

 CoA Status
 Final

CERTIFICATE OF ANALYSIS

Customer	Atrium Innovations	Date Received	7/23/2021
Address		Condition	Good
		Temp	Ambient
Sample Name	300mg Cinnamint Tinctures	PO #	
Sample Lot #	2874-2107	Remarks	
	Limit Of Detection: 100ppm		

Analysis	Specification	Test Result	Test Method	Test Date
Cannabidiol (CBD)	N/A	312.3mg/30mL	HPLC/UPLC	07/23/2021
Cannabidivarinic Acid (CBDVA)	N/A	Not Detected	HPLC/UPLC	as above
Cannabidivarin (CBDV)	N/A	Not Detected	HPLC/UPLC	as above
Cannabidiolic Acid (CBDA)	N/A	Not Detected	HPLC/UPLC	as above
Cannabigerol (CBG)	N/A	1.87mg/30mL	HPLC/UPLC	as above
Cannabinol (CBN)	N/A	5.62mg/30mL	HPLC/UPLC	as above
delta-9 Tetrahydrocannabinol	N/A	Not Detected	HPLC/UPLC	as above
delta-8 Tetrahydrocannabinol	N/A	Not Detected	HPLC/UPLC	as above
Cannabichromene (CBC)	N/A	3.84mg/30mL	HPLC/UPLC	as above
Tetrahydrocannabinolic (THCA)	N/A	Not Detected	HPLC/UPLC	as above

Authorized by Guy becrasekera, Ph.D / Lab Director



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Sample Name	300mg Cinnamint Tinctures	PO #	
Sample Lot #	2874-2107	Remarks	

Analysis Specification **Test Result Test Method** Test Date Pesticides DDT N/A Pass <0.500 ppm GC-MS 07/30/2021 GC-MS Alachlor N/A Pass < 0.500 ppm as above as above Aldin Pass < 0.025 ppm GC-MS N/A Azinphos-ethyl Pass <3.000 ppm GC-MS as above N/A Pass <0.500 ppm GC-MS as above Azinphos-methyl N/A Bromophos-ethyl N/A Pass < 0.050 ppm GC-MS as above Bromophos-methyl Pass < 0.500 ppm GC-MS as above N/A GC-MS Brompropylate N/A Pass <2.000 ppm as above Pass <0.025 ppm Chlordane GC-MS as above N/A Chlorfenvinphos N/A Pass <0.500 ppm GC-MS as above Chlorpyrifos Pass < 0.150 ppm GC-MS as above N/A Chlorpyrifos-methyl N/A Pass <2.000 ppm GC-MS as above Chlorthal-dimethyl N/A GC-MS as above Pass <1.000 ppm Cyfluthrin Pass < 0.100 ppm GC-MS as above N/A Cyhalothrin-Lambda Pass < 0.150 ppm GC-MS as above N/A Cypermethrin Pass < 0.150 ppm GC-MS as above N/A GC-MS Deltamethrin N/A Pass < 0.500 ppm as above GC-MS Pass <2.000 ppm as above Diazinon N/A Pass <1.000 ppm Dichlofluanid N/A GC-MS as above Dichlorvos N/A Pass < 0.050 ppm GC-MS as above Pass < 0.500 ppm GC-MS as above Dicofol N/A Dieldrin N/A Pass < 0.025 ppm GC-MS as above Dimethoate N/A Pass <1.000 ppm GC-MS as above Pass <0.250 ppm GC-MS as above Endosulfan N/A Endrin Pass < 0.025 ppm GC-MS as above N/A as above Ethion N/A Pass < 0.500 ppm GC-MS Pass <0.250 ppm Etrimphos GC-MS as above N/A Pass < 0.500 ppm GC-MS as above Fenchlorophos N/A Fenitrothion N/A Pass <1.000 ppm GC-MS as above Pass < 0.050 ppm GC-MS as above Fenpropathrin N/A as above Fensulfothion N/A Pass < 0.500 ppm GC-MS GC-MS as above Fenthion N/A Pass < 0.250 ppm GC-MS as above Fenvalerate N/A Pass < 0.010 ppm as above Flucytrinate Pass < 0.100 ppm GC-MS N/A Fluvalinate-Tau N/A Pass <0.250 ppm GC-MS as above GC-MS as above Fonofos N/A Pass < 0.150 ppm GC-MS as above Heptachlor Pass < 0.075 ppm N/A Pass <0.100 ppm GC-MS Hexachlorbenzene N/A as above

Authorized by Guy Weerasekera, Ph.D / Lab Director

AUG 0 3 2021

Guy gierasekera, I



CoA # 21072130A **CoA Date** 08/03/2021 **CoA Status** Final

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Customer	Atrium Innovations	Date Received	7/23/2021
Address		Condition	Good
		Temp	Ambient
Sample Name		PO #	
	300mg Cinnamint Tinctures	Remarks	
Sample Lot #		Keinurko	

2874-2107

Analysis	Specification	Test Result	Test Method	Test Date
Hexachlorocyclohexane	N/A	Pass < 0.025 ppm	GC-MS	as above
Lindane	N/A	Pass <0.250 ppm	GC-MS	as above
Malaoxon	N/A	Pass <0.100 ppm	GC-MS	as above
Malathion	N/A	Pass <0.250 ppm	GC-MS	as above
Mecarbam	N/A	Pass <0.500 ppm	GC-MS	as above
Methacrifos	N/A	Pass <0.025 ppm	GC-MS	as above
Methamidophos	N/A	Pass < 0.005 ppm	GC-MS	as above
Methidathion	N/A	Pass <0.100 ppm	GC-MS	as above
Methoxychlor	N/A	Pass <2.000 ppm	GC-MS	as above
Parathion-ethyl	N/A	Pass <1.000 ppm	GC-MS	as above
Mirex	N/A	Pass <1.000 ppm	GC-MS	as above
Monocrotophos	N/A	Pass <0.050 ppm	GC-MS	as above
Omethoate	N/A	Pass <0.500 ppm	GC-MS	as above
Paraoxon-ethyl	N/A	Pass <0.025 ppm	GC-MS	as above
Paraoxon	N/A	Pass <2.000 ppm	GC-MS	as above
Parathion-methyl	N/A	Pass <1.000 ppm	GC-MS	as above
Pendimethalin	N/A	Pass <1.000 ppm	GC-MS	as above
Pentachloroanisole	N/A	Pass <0.025 ppm	GC-MS	as above
Permethrin	N/A	Pass <0.025 ppm	GC-MS	as above
Phosalone	N/A	Pass <2.000 ppm	GC-MS	as above
Phosmet	N/A	Pass <0.500 ppm	GC-MS	as above
Piperonylbutoxide	N/A	Pass <1.000 ppm	GC-MS	as above
Pirimiphos-ethyl	N/A	Pass <0.050 ppm	GC-MS	as above
Pirimiphos-methyl	N/A	Pass <0.250 ppm	GC-MS	as above
Procymidone	N/A	Pass <1.000 ppm	GC-MS	as above
Profenofos	N/A	Pass <2.000 ppm	GC-MS	as above
Prothiofos	N/A	Pass <0.500 ppm	GC-MS	as above
Pyrethrum	N/A	Pass <0.250 ppm	GC-MS	as above
Quinalphos	N/A	Pass <0.500 ppm	GC-MS	as above
Quintozene	N/A	Pass <1.000 ppm	GC-MS	as above
S-421	N/A	Pass <0.500 ppm	GC-MS	as above
Tecnazene	N/A	Pass <0.100 ppm	GC-MS	as above
Tetradifon	N/A	Pass <0.250 ppm	GC-MS	as above
Vinclozolin	N/A	Pass <1.000 ppm	GC-MS	as above
Residual Solvents				
Methanol	N/A	Pass <3000 ppm	USP <467>	07/27/2021
Acetonitrile	N/A	Pass <410 ppm	USP <467>	as above
Dichloromethane	N/A	Pass <600 ppm	USP <467>	as above

Guy Weerasekera, Ph.D / Lab Director Authorized by

AUG 0 3 2021



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CERTIFICATE OF ANALYSIS

Customer	Atrium Innovations	Date Received	7/23/2021
Address		Condition	Good
		Temp	Ambient
Sample Name	300mg Cinnamint Tinctures	PO #	
Sample Lot #	2874-2107	Remarks	

Specification **Test Result** Test Method Test Date Analysis trans-1, 2-Dichloroethene Pass <1870 ppm USP <467> as above N/A cis-1, 2-Dichloroethene N/A Pass <1870 ppm USP <467> as above USP <467> as above Tetrahydrofuran N/A Pass <720 ppm Pass <3880 ppm USP <467> N/A as above Cyclohexane USP <467> Methylcyclohexane N/A Pass <1180 ppm as above 1.4-Dioxane Pass <380 ppm USP <467> as above N/A Pass <890 ppm USP <467> Toluene N/A as above USP <467> Pass <360 ppm Chlorobenzene N/A as above Pass <368.9 ppm USP <467> Ethylbenzene N/A as above m-Xylene N/A Pass <1302 ppm USP <467> as above USP <467> p-Xylene N/A Pass <368.9 ppm as above o-Xylene Pass <195.3 ppm USP <467> as above N/A Pass <290 ppm USP <467> as above n-Hexane N/A USP <467> Nitromethane N/A Pass <50 ppm as above Pass <60 ppm USP <467> as above Chloroform N/A Pass <100 ppm USP <467> 1,2-Dimethoxyethane N/A as above USP <467> Pass <80 ppm Trichloroethylene N/A as above USP <467> Pass <200 ppm as above Pvridine N/A USP <467> 2-Hexanone N/A Pass <50 ppm as above Tetralin N/A Pass <100 ppm USP <467> as above USP <467> Ethanol N/A Pass <5000 ppm as above Terpenes GC 07/28/2021 alpha-Pinene N/A Not Detected Camphene Not Detected GC as above N/A Beta-Myrcene N/A Not Detected GC as above Beta-Pinene GC as above Not Detected N/A GC as above 3-Carene N/A Not Detected alpha-Terpinene N/A Not Detected GC as above GC Ocimene N/A Not Detected as above GC as above Limonene N/A Not Detected P-Cymene N/A Not Detected GC as above Beta-Ocimene N/A 1.01mg/30mL GC as above 1.16mg/30mL GC Eucalyptol N/A as above gamma-Terpinene Not Detected GC as above N/A GC Terpinolene N/A Not Detected as above GC Linalool as above N/A Not Detected GC as above Isopulegol N/A 0.15mg/30mL GC Geraniol N/A Not Detected as above

Authorized by

AUG 0 3 2021



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Customer	Atrium Innovations	Date Received	7/23/2021
Address	and the second sec	Condition	Good
		Temp	Ambient
Sample Name		PO #	
	300mg Cinnamint Tinctures	Remarks	
Sample Lot #			

ample Lot #

2874-2107

Analysis	Specification	Test Result	Test Method	Test Date
Beta-Caryophyllene	N/A	28.70mg/30mL	GC	as above
alpha-Humulene	N/A	Not Detected	GC	as above
Nerolidol 1	N/A	Not Detected	GC	as above
Nerolidol 2	N/A	Not Detected	GC	as above
Guaiol	N/A	Not Detected	GC	as above
Caryophyllene oxide	N/A	Not Detected	GC	as above
alpha-Bisabolol	N/A	Not Detected	GC	as above
Heavy Metals				
Arsenic (As)	N/A	<0.005 ppm	ICP-MS (STP-021)	07/27/2021
Cadmium (Ćd)	N/A	<0.005 ppm	ICP-MS (STP-021)	as above
Mercury (Hg)	N/A	0.042 ppm	ICP-MS (STP-021)	as above
Lead (Pb)	N/A	0.011 ppm	ICP-MS (STP-021)	as above
Microbiology				
TPC	N/A	<10 cfu/g	AOAC 966.23	07/23/2021
Yeast	N/A	<10 cfu/g	AOAC 2014.05	as above
Mold	N/A	<10 cfu/g	AOAC 2014.05	as above
Coliforms	N/A	<10 cfu/g	AOAC 991.14	as above
E. coli	N/A	Negative / 10g	AOAC 991.14	as above
Salmonella	N/A	Negative / 10g	AOAC 989.13	as above
Staphylococcus aureus	N/A	Negative / 10g	AOAC 2003.07	as above

AUG 0 3 2021 Authorized by Guy WeeraSekera, Ph.D / Lab Director



Certificate Of Analysis

HEMP MAX CBD LIQUID

Lot: 2874-2107 Product: 57767

Test: Irradiation Screen by PPSL

Method: SOP-PSL-001

Analyte Name	Specification	Result	Unit
Irradiation Screen	Negative	Negative	N/A

Results reported herein pertain only to the items tested and are reported on an "as-is" basis as provided by client. All results are reported on a per pill or per serving of powder or per serving of liquid as appropriate to the physical form of the item tested. This report may not be distributed or reproduced except in full. Client shall not at any time misrepresent the content of this report.

QC and QA electronic signatures indicate COA is effective.

Batch Report Authorized by:

Caitlin Dilal

Date Authorized: 10/22/2021 8:15:47 AM

112 Technology Drive Pittsburgh, Pennsylvania 15275, U.S.A. 1-800-245-4440

10/22/2021 8:20:43 AM



Certificate of Analysis

Atrium Innovations

112 Technology Drive Pittsburgh Pennsylvania 15205

Sample Name:	57767	Eurofins Sample:	11034361
Project ID	HVL-20211008-0247	Receipt Date	08-Oct-2021
PO Number	1109287621	Receipt Condition	Ambient temperature
ot Number	2874-2107	Login Date	08-Oct-2021
Sample Serving Size	1 mL	Date Started	14-Oct-2021
		Sampled	Sample results apply as received
		Online Order	20
Analysis		Specifications	Result
PAH 4 acc. EFSA (G	GC-MSMS)		
Benzo-(a)-anthrace	ene	<= 0.033 mcg/Serving Size	<0.00060 mcg/Serving Size
Benzo-(a)-pyrene		<= 0.06 mcg/Serving Size	<0.00060 mcg/Serving Size
Sum of all positive	identified PAH		<0.0012 mcg/Serving Size
Chrysene		<= 0.35 mcg/Serving Size	<0.00060 mcg/Serving Size
Benzo-(b)-fluoranth	nene	<= 0.096 mcg/Serving Size	<0.00060 mcg/Serving Size
Density by Gravime	etric Analysis		
			1.199 g/mL

Density by Gravimetric Analysis (SPGP_S)

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

PAH 4 acc. EFSA (GC-MSMS) (ICO_ECAL)

Food Integrity Innovation-Brea 2951 Saturn Street, Unit C Brea, CA 92821 USA

Robert Grahn - Manager

Eurofins Central Analytical Laboratories

2219 Lakeshore Dr Suite 500 New Orleans, LA 70122 USA

Released on Behalf of Eurofins by

Food Integrity Innovation-Brea

Testing Location(s)

Eurofins Food Chemistry Testing US, Inc. 2951 Saturn Street Unit C Brea CA 92821 800-675-8375

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.



Results Posted: 17:00 ES 10-14-2021

Report ID: 211014AM

FICATE OF ANALYS

Company Name Atrium Customer ID 160620-0				Date Arrived 10/14/2021
Sample ID Description				
211014AM 57767-2874-2107				
Gluten-Hydrolytes Allerg	en Analy	ysis	Results:	Spike ID:
R-Biopharm C ELISA Competitive R7021 Lot # 23360 Exp. JA2022	Run By: LEM	LOQ: 10ppm	<10ppm	N/A Recovery: N/A%
			-	

For estimates of measurement uncertainties, please contact Bia Diagnostics.

Results apply to the samples as received. The report shall not be reproduced except in full without the approval of the laboratory.

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Thomas A Grace (Laboratory Director, Bia Diagnostics)

Certified By:





Silliker Canada Co. Ltd.

106-8255 North Fraser Way, Burnaby, BC V3N 0B9 Tel. 1-844-277-1738 Fax. 604-432-7768 Email: getresults8@mxns.com

CERTIFICATE OF ANALYSIS

COA No:	BRN-45289229-0
Supersedes:	None
COA Date	10/21/21
Page 1 of 2	

Received From: Pittsburgh, PA					
Received Date: 10/14/21					
P.O.# / ID:	1109287673				
Location of Test: (except where noted) Burnaby, BC					

COPY TO: Dr. Lab Email HVL, LLC 112 Technology Drive Pittsburgh, PA 15108 ORIGINAL TO: Ms. Caitlin Dilal Senior Microbiologist HVL, LLC 112 Technology Drive Pittsburgh, PA 15275

Analytical Results										
Temp Rec'd (°C): 17.2 Desc. 1: Desc. 2:	Condition Rec'd: NORMAL 57767 2874-2107	Laboratory ID:	41371	7374						
					In	Min	Мах			
<u>Analyte</u>			<u>Result</u>	<u>Units</u>	<u>Spec</u>	<u>Limit</u>	<u>Limit</u>	Method Reference	Test Date	Loc.
* Aflatoxin-LC/MS/MS								Aflaprep IFU(P07v13)	10/21/21	
Aflatoxin B1			<0.1	ppb (w/w)						
Aflatoxin B2			<0.1	ppb (w/w)						
Aflatoxin G1			<0.1	ppb (w/w)						
Aflatoxin G2			<0.1	ppb (w/w)						
Total aflatoxins			<0.1	ppb (w/w)			10			

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106-8255 North Fraser Way, Burnaby, BC V3N 0B9 Tel. 1-844-277-1738 Fax. 604-432-7768 Email: getresults8@mxns.com **CERTIFICATE OF ANALYSIS**

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 BRN-45289229-0

 Supersedes:
 None

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 10/21/21

 Page 2 of 2
 Coa Date

Received From: Pittsburgh, PA				
Received Date: 10/14/21				
P.O.# / ID:	1109287673			
Location of Test: (except where noted) Burnaby, BC				

COPY TO:

Dr. Lab Email HVL, LLC 112 Technology Drive Pittsburgh, PA 15108

ORIGINAL TO: Ms. Caitlin Dilal Senior Microbiologist HVL, LLC 112 Technology Drive Pittsburgh, PA 15275

Analytical Results

andrea Cypiani

Andrea Cipriani

Division VP Operations

I Customer supplied information * ISO17025 Accredited Analysis

† Indicates reason for COA amendent when applicable

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