

## Certificate of Analysis

Oriveda BV

<b>Sample Name:</b>	<b>#7 Lions Mane FRUITING BODY Extract - L+WE (Hericium Erinaceus)</b>	<b>Eurofins Sample:</b>	<b>9471704</b>
<b>Project ID</b>	ORIVED_HAR-20200427-0001	<b>Receipt Date</b>	27-Apr-2020
<b>PO Number</b>	NA	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	2020	<b>Login Date</b>	27-Apr-2020
<b>Sample Serving Size</b>		<b>Date Started</b>	30-Apr-2020
		<b>Sampled</b>	Sample results apply as received

Analysis	Result
<b>Beta Glucan</b>	
Beta Glucan	32.1 %
<b>Total Polyphenols</b>	
Total Polyphenols (Gallic Acid Equivalents)	2.85 mg/g

Method References	Testing Location
<b>Beta Glucan (MISC_YBGL)</b>	<b>Food Integrity Innovation-Madison</b> 3301 Kinsman Blvd Madison, WI 53704 USA
Megazyme Kit K-YBGL	
<b>Total Polyphenols (TOTP_S)</b>	<b>Food Integrity Innovation-Madison</b> 3301 Kinsman Blvd Madison, WI 53704 USA
Reference: Abelson, J. N, M. I. Simon, and H. Sies. "Oxidants and Antioxidants Part A." Methods of Enzymology. 299:152-178 (1999). (modified).	

Testing Location(s)	Released on Behalf of Eurofins by
<b>Food Integrity Innovation-Madison</b>	<b>Edward Ladwig - Director</b>
Eurofins Food Chemistry Testing Madison, Inc. 3301 Kinsman Blvd Madison WI 53704 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.

**Certificate Issued To:**  
**ORIVeDA**



Work performed at:  
**International RINP, Inc.**  
23151 Verdugo Dr., Suite 101  
Laguna Hills, CA 92653  
Phone: (949) 916-0780  
FAX: (949) 916-2820  
E-mail: rinp1@live.com  
Website: www.internationalrinp.com

**FDA Registration No. 18174842550**

**Certificate of Analysis:**

Determination of Terpenes, Erinacines and Hericenones in OrIVeDA L+Lion's Mane 1:1 Fruiting Body Extract by HPLC Methods

Company Name: ORIVeDA  
Sample Description: OrIVeDA L+Lion's Mane 1:1 Fruiting Body Extract  
Received Date: 04-24-20  
Lot Number: N/A  
Lab Number: L#15908  
Payment Method: Paypal

**The analysis results**

Sample	Lab#	Analyte	Target	Results
OrIVeDA L+Lion's Mane 1:1 Fruiting Body Extract	L#15908	Terpenes	N/A	2.79%
OrIVeDA L+Lion's Mane 1:1 Fruiting Body Extract	L#15908	Hericenones	N/A	0.70%

A handwritten signature in black ink that reads 'Hongyan Wang'.

Approved by:

Hongyan Wang, President/PhD

Report Date: 05-07-2020

**LION'S MANE FRUITING BODY EXTRACT**

oriveda

2020	levels (ppb)	levels in mg/g	levels per serving (mcg / 900 mg)
<b>HEAVY METALS *</b>			
Lead (Pb)	347.024	0.000347024	0.3123
Arsenic (As)	83.806	0.000083806	0.0754
Cadmium (Cd)	292.321	0.000292321	0.2631
Mercury (Hg)	0	0.000000000	0.0000
<b>COMPOUNDS</b>			
Manganese (Mn)	11331.734	0.011331734	10.1986
Zinc (Zn)	35100.726	0.035100726	31.5907
Magnesium (Mg)	1021147.067	1.021147067	919.0324
Aluminum (Al)	27023.234	0.027023234	24.3209
Potassium (K)	28969244.509	28.969244509	26072.3201
Iron (Fe)	101512.409	0.101512409	91.3612
Copper (Cu)	3892.052	0.003892052	3.5028
Silver (Ag)	0	0.000000000	0.0000
Molybdenium (Mo)	118.673	0.000118673	0.1068
Selenium (Se)	65.951	0.000065951	0.0594
Nickel (Ni)	3035.059	0.003035059	2.7316
Cromium (Cr)	749.589	0.000749589	0.6746
Vanadium (V)	87.384	0.000087384	0.0786
Caesium (Cs-133)	160.963	0.000160963	0.1449
Strontium (Sr-88)	1788.019	0.001788019	1.6092
Uranium (U)	3.423	0.000003423	0.0031

<b>ESSENTIAL NUTRIENTS with a recommended daily value (FDA)</b>	<b>nutrient levels per serving (mcg / 900 mg)</b>	<b>FDA, recommended daily value (RDV in mcg), 4 years and older</b>	<b>percentage of RDV in this extract, per nutrient</b>
Manganese (Mn)	10.1986	2000	0.51%
Zinc (Zn)	31.5907	15000	0.21%
Magnesium (Mg)	919.0324	400000	0.23%
Potassium (K)	26072.3201	3500000	0.74%
Iron (Fe)	91.3612	18000	0.51%
Copper (Cu)	3.5028	2000	0.18%
Molybdenium (Mo)	0.1068	75	0.14%
Selenium (Se)	0.0594	70	0.08%
Cromium (Cr)	0.6746	120	0.56%

ppd : parts per billion  
mg : milligram; 1/1,000th of a gram  
mcg : microgram; 1/1,000,000 of a gram  
mcg/g : micrograms per gram  
mg/g : milligrams per gram  
serving: the recommended average daily dosage

\* There is a great variation in what are considered safe levels of heavy metals in food, worldwide. Ideally they should take into account both the intake and the body weight of a person. More information: <https://is.gd/TLg3ha>

Below are the official EU and World Health Organisation / Joint Expert Committee on Food Additives (WHO / JECFA) guidelines.

Arsenic: (Adult, 70 kgs: 150 mcg = daily limit)  
Cadmium: (Adult, 70 kgs: 70 mcg daily = daily limit)  
Lead: (Adult, 70 kgs: 250 mcg daily = daily limit)  
Mercury: (Adult, 70 kgs: 16 mcg daily = daily limit)



# Metals Analysis Report



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**Operator:** E.C.

<b>File Name</b>	059SMPL.d
<b>File Path</b>	D:\Data\2020\2020-04-30 samples 6812 and up.b
<b>Acq Time</b>	4/30/2020 7:04:38 PM
<b>Sample Name</b>	C1982
<b>Sample Type</b>	Sample
<b>Comment</b>	Oriveda L + WE Lion's Mane Extract 2020-04-29-20 Lot#VIDWXHS41V919E7R
<b>Prep Dilution</b>	123.4873
<b>Auto Dilution</b>	1.0000
<b>Total Dilution</b>	123.4873
<b>Acq Mode</b>	Spectrum
<b>Cal Title</b>	---
<b>Cal Type</b>	External Calibration
<b>Last Calib</b>	04/30/2020 20:06:46
<b>Bkg File</b>	003_BKG.d
<b>Bkg Mode</b>	Count Subtraction except for ISTD
<b>FQ BlankFile</b>	018QBLK.d
<b>VIS Fit</b>	Linear



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### FullQuant Table

Element	Mass	Conc.	Units	RSD(%)	Det.
Mg	24	1021147.067	ppb	1.6	Analog
Al	27	27023.234	ppb	1.6	Pulse
K	39	28969244.509	ppb	1.1	Analog
V	51	87.384	ppb	3.6	Pulse
Cr	52	749.589	ppb	13.3	Pulse
Mn	55	11331.734	ppb	0.5	Pulse
Fe	56	100945.282	ppb	1.1	Analog
Ni	60	356.148	ppb	1.3	Pulse
Cu	63	10681.481	ppb	0.7	Pulse
Zn	66	35100.726	ppb	0.3	Pulse
As	75	83.806	ppb	2.3	Pulse
Se	78	65.951	ppb	55.3	Pulse
Sr	88	1788.019	ppb	0.6	Pulse
Mo	95	118.673	ppb	0.4	Pulse
Ag	107	<0.000	ppb	N/A	Pulse
Cd	111	149.679	ppb	11.0	Pulse
Cd	114	142.642	ppb	1.8	Pulse
Cs	133	160.963	ppb	1.3	Pulse
Hg	200	<0.000	ppb	N/A	Pulse
Hg	201	<0.000	ppb	N/A	Pulse
Hg	202	<0.000	ppb	N/A	Pulse
Pb	206	173.185	ppb	2.1	Pulse
Pb	207	173.839	ppb	3.4	Pulse
Pb	208	168.468	ppb	0.5	Pulse
U	238	3.423	ppb	19.2	Pulse

### ISTD Table:

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
He	Sc	45	395974.14	2.7	117.7	Pulse	0.6000	3
He	Ge	72	40393.10	2.6	106.3	Pulse	0.6000	3
He	In	115	352956.88	1.0	102.5	Pulse	0.6000	3
He	Te	125	46576.13	0.5	105.9	Pulse	0.6000	3
He	Tb	159	756565.44	1.1	97.2	Pulse	0.6000	3
He	Bi	209	362570.98	0.2	84.9	Pulse	0.6000	3