

## Certificate of Analysis

Oriveda BV

<b>Sample Name:</b>	<b>Lions Mane Extract L+ (Hericium Erinaceus)</b>	<b>Eurofins Sample:</b>	<b>8380976</b>
<b>Project ID</b>	ORIVED_HAR-20190424-0002	<b>Receipt Date</b>	24-Apr-2019
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	2019	<b>Login Date</b>	24-Apr-2019
<b>Sample Serving Size</b>	1 Cap	<b>Date Started</b>	26-Apr-2019
		<b>Online Order</b>	0

Analysis	Result
<b>Beta Glucan</b>	
Beta Glucan	5.44 %
<b>Calculated Sample Weight</b>	
Entity Weight	0.5312 g
Entity Fill Weight	0.4386 g
<b>Total Polyphenols</b>	
Total Polyphenols (Gallic Acid Equivalents)	1.86 %

Method References	Testing Location
<b>Beta Glucan (MISC_YBGL)</b>	<b>Food Integrity Innovation-Madison</b>
Megazyme Kit K-YBGL	
<b>Calculated Sample Weight (PREP)</b>	<b>Food Integrity Innovation-Madison</b>
<b>Total Polyphenols (TOTP_S)</b>	<b>Food Integrity Innovation-Madison</b>
Methods of Enzymology, Volume 299, Oxidants and Antioxidants Part A, Pages 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 US, 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 Terpens, Erinacines and Hericenones in OrIVeDA Lion's Mane L+ Extract by HPLC Methods

Company Name: ORIVeDA  
Sample Description: OrIVeDA Lion's Mane L+ Extract  
Received Date: 04-06-19  
Lot Number: N/A  
Lab Number: L#13920  
Payment Method: Paypal

**The analysis results**

Sample	Lab#	Analyses	Target	Results
OrIVeDA Lion's Mane L+ Extract	L#13920	Terpens	NLT 3.0%	3.01%
OrIVeDA Lion's Mane L+ Extract	L#13920	Erinacines	N/A	2.00%
OrIVeDA Lion's Mane L+ Extract	L#13920	Hericenones	N/A	0.221%

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

Approved by:

Hongyan Wang, President/PhD

Report Date: 04-23-19

**LION'S MANE EXTRACT**

oriveda

2019	levels (ppb)	levels in mg/g	levels per serving (mcg / 900 mg)
<b>HEAVY METALS *</b>			
Lead (Pb)	454.412	0.000454412	0.4090
Arsenic (As)	105.745	0.000105745	0.0952
Cadmium (Cd)	55.149	5.5149E-05	0.0496
Mercury (Hg)	0	0	0.0000
<b>COMPOUNDS</b>			
Manganese (Mn)	26864.1	0.0268641	24.1777
Zinc (Zn)	25910.753	0.025910753	23.3197
Magnesium (Mg)	1667631.192	1.667631192	1500.8681
Aluminum (Al)	224696.711	0.224696711	202.2270
Potassium (K)	28902275.487	28.902275487	26012.0479
Iron (Fe)	101512.409	0.101512409	91.3612
Copper (Cu)	3892.052	0.003892052	3.5028
Silver (Ag)	207.36	0.00020736	0.1866
Molybdenium (Mo)	689.64	0.00068964	0.6207
Selenium (Se)	49.588	4.9588E-05	0.0446
Nickel (Ni)	3035.059	0.003035059	2.7316
Cromium (Cr)	1064.918	0.001064918	0.9584
Vanadium (V)	114.971	0.000114971	0.1035
Caesium (Cs-133)	121.323	0.000121323	0.1092
Strontium (Sr-88)	12737.329	0.012737329	11.4636
Uranium (U)	14.446	1.4446E-05	0.0130

<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)	24.1777	2000	1.21%
Zinc (Zn)	23.3197	15000	0.16%
Magnesium (Mg)	1500.8681	400000	0.38%
Potassium (K)	26012.0479	3500000	0.74%
Iron (Fe)	91.3612	18000	0.51%
Copper (Cu)	3.5028	2000	0.18%
Molybdenium (Mo)	0.6207	75	0.83%
Selenium (Se)	0.0446	70	0.06%
Cromium (Cr)	0.9584	120	0.80%

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>	055SMPL.d
<b>File Path</b>	D:\Data\2019\2019-04-15 samples 5726 and up.b
<b>Acq Time</b>	4/15/2019 1:52:25 PM
<b>Sample Name</b>	C1822
<b>Sample Type</b>	Sample
<b>Comment</b>	ORIVeDA L+ (Lion's Mane - Hericium erinaceus) extract 2019-04-10-25 Lot#VIDK0NM0JC6PM289
<b>Prep Dilution</b>	119.5886
<b>Auto Dilution</b>	1.0000
<b>Total Dilution</b>	119.5886
<b>Acq Mode</b>	Spectrum
<b>Cal Title</b>	---
<b>Cal Type</b>	External Calibration
<b>Last Calib</b>	04/15/2019 14:42:52
<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	1667631.192	ppb	3.3	Analog
Al	27	224696.711	ppb	3.1	Pulse
K	39	28902275.487	ppb	4.1	Analog
V	51	114.971	ppb	1.5	Pulse
Cr	52	1064.918	ppb	3.1	Pulse
Mn	55	26864.100	ppb	3.5	Pulse
Fe	56	101512.409	ppb	4.0	Analog
Ni	60	3035.059	ppb	2.6	Pulse
Cu	63	3892.052	ppb	3.2	Pulse
Zn	66	25910.753	ppb	3.5	Pulse
As	75	105.745	ppb	6.2	Pulse
Se	78	49.588	ppb	43.7	Pulse
Sr	88	12737.329	ppb	4.7	Pulse
Mo	95	689.640	ppb	4.9	Pulse
Ag	107	207.360	ppb	73.4	Pulse
Cd	111	26.047	ppb	11.1	Pulse
Cd	114	29.102	ppb	8.0	Pulse
Cs	133	121.323	ppb	1.6	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	155.699	ppb	3.7	Pulse
Pb	207	150.742	ppb	2.6	Pulse
Pb	208	147.971	ppb	4.2	Pulse
U	238	14.446	ppb	4.7	Pulse

### ISTD Table:

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
He	Sc	45	499355.92	1.8	81.0	Pulse	0.3000	3
He	Ge	72	55371.83	3.0	77.9	Pulse	0.3000	3
He	In	115	505172.03	2.3	77.1	Pulse	0.3000	3
He	Te	125	77349.88	1.1	89.5	Pulse	0.3000	3
He	Tb	159	1560563.78	2.2	85.1	Analog	0.2000	3
He	Bi	209	890481.99	2.0	75.9	Pulse	0.2000	3