

## Certificate of Analysis

Oriveda BV

XXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXX

<b>Sample Name:</b>	<b>#6 Lions Mane MYCELIUM extract - L+ AE (Hericium erinaceus)</b>	<b>Eurofins Sample:</b>	<b>10739837</b>
<b>Project ID</b>	ORIVED_HAR-20210705-0001	<b>Receipt Date</b>	05-Jul-2021
<b>PO Number</b>	N/A	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	2021-2023	<b>Login Date</b>	05-Jul-2021
<b>Sample Serving Size</b>		<b>Date Started</b>	09-Jul-2021
		<b>Sampled</b>	Sample results apply as received
		<b>Number Composited</b>	20

Analysis	Result
<b>Beta Glucan</b>	
Beta Glucan	8.05 %
<b>Total Polyphenols</b>	
Total Polyphenols (Gallic Acid Equivalents)	1.99 %

Method References	Testing Location
<b>Beta Glucan (MISC_YBGL)</b>	<b>Food Integrity Innovation-Madison</b>
Megazyme Kit K-YBGL	6304 Ronald Reagan Ave Madison, WI 53704 USA
<b>Total Polyphenols (TOTP_S)</b>	<b>Food Integrity Innovation-Madison</b>
Reference: Abelson, J. N, M. I. Simon, and H. Sies. "Oxidants and Antioxidants Part A." Methods of Enzymology. 299:152-178 (1999). (modified).	6304 Ronald Reagan Ave Madison, WI 53704 USA

Testing Location(s)	Released on Behalf of Eurofins by
<b>Food Integrity Innovation-Madison</b>	<b>Edward Ladwig - President Eurofins Food Chemistry Testing Madison</b>
Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave 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. Measurement uncertainty for individual analyses can be obtained upon request.

**LION'S MANE MYCELIUM EXTRACT**

oriveda

2021	levels (ppb)	levels in mg/g	levels per serving (mcg / 900 mg)
<b>HEAVY METALS *</b>			
Lead (Pb)	109.23	0.000109230	0.0983
Arsenic (As)	93.511	0.000093511	0.0842
Cadmium (Cd)	47.584	0.000047584	0.0428
Mercury (Hg)	0	0.000000000	0.0000
<b>COMPOUNDS</b>			
Manganese (Mn)	30364.624	0.030364624	27.3282
Zinc (Zn)	16363.114	0.016363114	14.7268
Magnesium (Mg)	1557388.488	1.557388488	1401.6496
Aluminum (Al)	5285.599	0.005285599	4.7570
Potassium (K)	20294623.745	20.294623745	18265.1614
Iron (Fe)	93229.196	0.093229196	83.9063
Copper (Cu)	2015.525	0.002015525	1.8140
Silver (Ag)	0	0.000000000	0.0000
Molybdenum (Mo)	443.406	0.000443406	0.3991
Selenium (Se)	0	0.000000000	0.0000
Nickel (Ni)	4628.127	0.004628127	4.1653
Cromium (Cr)	3935.614	0.003935614	3.5421
Vanadium (V)	97.439	0.000097439	0.0877
Caesium (Cs-133)	157.604	0.000157604	0.1418
Strontium (Sr-88)	13361.458	0.013361458	12.0253
Uranium (U)	6.269	0.000006269	0.0056

<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)	27.3282	2000	1.37%
Zinc (Zn)	14.7268	15000	0.10%
Magnesium (Mg)	1401.6496	400000	0.35%
Potassium (K)	18265.1614	3500000	0.52%
Iron (Fe)	83.9063	18000	0.47%
Copper (Cu)	1.8140	2000	0.09%
Molybdenum (Mo)	0.3991	75	0.53%
Selenium (Se)	0.0000	70	0.00%
Cromium (Cr)	3.5421	120	2.95%

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)



CWC Labs is an ISO 17025 accredited laboratory. See CWClabs.com for accreditation details.

This laboratory analysis data may not be reprinted, republished or cited in any form without prior written consent from CWC Labs.



### FullQuant Table

Element	Mass	Conc.	Units	RSD(%)	Det.
Mg	24	1557388.488	ppb	2.0	Analog
Al	27	5285.599	ppb	2.9	Pulse
K	39	20294623.745	ppb	1.5	Analog
V	51	97.439	ppb	4.3	Pulse
Cr	52	3935.614	ppb	0.9	Pulse
Mn	55	30364.624	ppb	1.4	Pulse
Fe	56	93229.196	ppb	1.3	Analog
Ni	60	4628.127	ppb	1.7	Pulse
Cu	63	2015.525	ppb	0.9	Pulse
Zn	66	16363.114	ppb	3.1	Pulse
As	75	93.511	ppb	9.4	Pulse
Se	78	<0.000	ppb	N/A	Pulse
Sr	88	13361.458	ppb	2.8	Pulse
Mo	95	443.406	ppb	2.2	Pulse
Ag	107	<0.000	ppb	N/A	Pulse
Cd	111	26.438	ppb	20.5	Pulse
Cd	114	21.146	ppb	26.6	Pulse
Cs	133	157.604	ppb	7.9	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	39.152	ppb	9.7	Pulse
Pb	207	33.610	ppb	14.5	Pulse
Pb	208	36.468	ppb	10.4	Pulse
U	238	6.269	ppb	4.8	Pulse

### ISTD Table:

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
He	Sc	45	111879.70	0.7	110.4	Pulse	0.6000	3
He	Ge	72	9021.43	1.0	100.6	Pulse	0.6000	3
He	In	115	69083.97	0.9	98.6	Pulse	0.6000	3
He	Te	125	8733.60	0.8	99.2	Pulse	0.6000	3
He	Tb	159	190367.15	0.4	102.8	Pulse	0.6000	3
He	Bi	209	89295.47	0.6	96.1	Pulse	0.6000	3