

Certificate of Analysis

Oriveda BV

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Sample Name:	#7 Lions Mane FRUITING BODY extract - L+WE (Hericum erinaceus)	Eurofins Sample:	10739838
Project ID	ORIVED_HAR-20210705-0001	Receipt Date	05-Jul-2021
PO Number	N/A	Receipt Condition	Ambient temperature
Lot Number	2021-2023	Login Date	05-Jul-2021
Sample Serving Size		Date Started	09-Jul-2021
		Sampled	Sample results apply as received
		Number Composited	20

Analysis	Result
Beta Glucan	
Beta Glucan	34.0 %
Total Polyphenols	
Total Polyphenols (Gallic Acid Equivalents)	1.07 %

Method References	Testing Location
Beta Glucan (MISC_YBGL)	Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA
Megazyme Kit K-YBGL	
Total Polyphenols (TOTP_S)	Food Integrity Innovation-Madison 6304 Ronald Reagan Ave 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
Food Integrity Innovation-Madison	Edward Ladwig - President Eurofins Food Chemistry Testing Madison
Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375	

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LION'S MANE FRUITING BODY EXTRACT

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2021	levels (ppb)	levels in mg/g	levels per serving (mcg / 900 mg)
HEAVY METALS *			
Lead (Pb)	249.315	0.000249315	0.2244
Arsenic (As)	66.988	0.000066988	0.0603
Cadmium (Cd)	109.253	0.000109253	0.0983
Mercury (Hg)	0	0.000000000	0.0000
COMPOUNDS			
Manganese (Mn)	7560.755	0.007560755	6.8047
Zinc (Zn)	34755.194	0.034755194	31.2797
Magnesium (Mg)	925743.533	0.925743533	833.1692
Aluminum (Al)	14610.145	0.014610145	13.1491
Potassium (K)	29127370.578	29.127370578	26214.6335
Iron (Fe)	87293.644	0.087293644	78.5643
Copper (Cu)	7493.382	0.007493382	6.7440
Silver (Ag)	0	0.000000000	0.0000
Molybdenium (Mo)	78.942	0.000078942	0.0710
Selenium (Se)	91.307	0.000091307	0.0822
Nickel (Ni)	161.492	0.000161492	0.1453
Cromium (Cr)	355.526	0.000355526	0.3200
Vanadium (V)	69.433	0.000069433	0.0625
Caesium (Cs-133)	77.159	0.000077159	0.0694
Strontium (Sr-88)	7058.343	0.007058343	6.3525
Uranium (U)	2.039	0.00002039	0.0018

ESSENTIAL NUTRIENTS with a recommended daily value (FDA)	nutrient levels per serving (mcg / 900 mg)	FDA, recommended daily value (RDV in mcg), 4 years and older	percentage of RDV in this extract, per nutrient
Manganese (Mn)	6.8047	2000	0.34%
Zinc (Zn)	31.2797	15000	0.21%
Magnesium (Mg)	833.1692	400000	0.21%
Potassium (K)	26214.6335	3500000	0.75%
Iron (Fe)	78.5643	18000	0.44%
Copper (Cu)	6.7440	2000	0.34%
Molybdenium (Mo)	0.0710	75	0.09%
Selenium (Se)	0.0822	70	0.12%
Cromium (Cr)	0.3200	120	0.27%

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)



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FullQuant Table

Element	Mass	Conc.	Units	RSD(%)	Det.
Mg	24	925743.533	ppb	1.8	Analog
Al	27	14610.145	ppb	2.5	Pulse
K	39	29127370.578	ppb	2.5	Analog
V	51	69.433	ppb	9.8	Pulse
Cr	52	355.526	ppb	3.3	Pulse
Mn	55	7560.755	ppb	0.8	Pulse
Fe	56	87293.644	ppb	1.8	Analog
Ni	60	161.492	ppb	2.6	Pulse
Cu	63	7493.382	ppb	1.7	Pulse
Zn	66	34755.194	ppb	1.6	Pulse
As	75	66.988	ppb	14.4	Pulse
Se	78	91.307	ppb	106.4	Pulse
Sr	88	7058.343	ppb	1.9	Pulse
Mo	95	78.942	ppb	1.7	Pulse
Ag	107	<0.000	ppb	N/A	Pulse
Cd	111	52.184	ppb	21.5	Pulse
Cd	114	57.069	ppb	16.3	Pulse
Cs	133	77.159	ppb	4.6	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	85.105	ppb	3.2	Pulse
Pb	207	82.155	ppb	4.3	Pulse
Pb	208	82.055	ppb	4.1	Pulse
U	238	2.039	ppb	54.8	Pulse

ISTD Table:

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
He	Sc	45	113629.31	0.8	112.1	Pulse	0.6000	3
He	Ge	72	8947.51	2.4	99.8	Pulse	0.6000	3
He	In	115	69329.62	1.0	98.9	Pulse	0.6000	3
He	Te	125	9020.98	1.8	102.5	Pulse	0.6000	3
He	Tb	159	191805.33	0.4	103.5	Pulse	0.6000	3
He	Bi	209	89696.93	0.5	96.6	Pulse	0.6000	3