

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 (1>3) (1>6) Beta Glucan, Terpens and Polyphenols in OrIVeDA Lion's Mane L+ Extract by Megazyme, HPLC and UV Methods

Company Name: ORIVeDA
Sample Description: OrIVeDA Lion's Mane L+ Extract
Received Date: 04-24-18
Lot Number: Oriveda 07
Lab Number: L#12013
Payment Method: Paypal

The analysis results

Sample	Lab#	Analyses	Target	Results
OrIVeDA Lion's Mane L+ Extract	L#12013	(1>3) (1>6)Beta Glucan	N/A	8.12%
OrIVeDA Lion's Mane L+ Extract	L#12013	Terpens	NLT 3.0%	3.03%
OrIVeDA Lion's Mane L+ Extract	L#12013	Polyphenols	N/A	3.62%

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

Approved by:

Hongyan Wang, President/PhD

Report Date: 05-02-18

LION'S MANE EXTRACT

ORIVE DA

2018	levels (ppb)	levels in mg/g	levels per serving (mcg / 900 mg)
HEAVY METALS *			
Lead (Pb)	669.053	0.000669053	0.6021
Arsenic (As)	135.886	0.000135886	0.1223
Cadmium (Cd)	60.197	6.0197E-05	0.0542
Mercury (Hg)	0	0	0.0000
COMPOUNDS			
Manganese (Mn)	36340.296	0.036340296	32.7063
Zinc (Zn)	32419.774	0.032419774	29.1778
Magnesium (Mg)	1489465.35	1.48946535	1340.5188
Aluminum (Al)	189074.307	0.189074307	170.1669
Potassium (K)	27749054.03	27.74905403	24974.1486
Iron (Fe)	75215.398	0.075215398	67.6939
Copper (Cu)	2492.393	0.002492393	2.2432
Silver (Ag)	0	0	0.0000
Molybdenium (Mo)	603.931	0.000603931	0.5435
Selenium (Se)	80.411	8.0411E-05	0.0724
Nickel (Ni)	2659.817	0.002659817	2.3938
Cromium (Cr)	847.246	0.000847246	0.7625
Vanadium (V)	57.187	5.7187E-05	0.0515
Caesium (Cs-133)	105.662	0.000105662	0.0951
Strontium (Sr-88)	20085.469	0.020085469	18.0769
Uranium (U)	18.501	1.8501E-05	0.0167

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)	32.7063	2000	1.64%
Zinc (Zn)	29.1778	15000	0.19%
Magnesium (Mg)	1340.5188	400000	0.34%
Potassium (K)	24974.1486	3500000	0.71%
Iron (Fe)	67.6939	18000	0.38%
Copper (Cu)	2.2432	2000	0.11%
Molybdenium (Mo)	0.5435	75	0.72%
Selenium (Se)	0.0724	70	0.10%
Cromium (Cr)	0.7625	120	0.64%

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.

File Name	051SMPL.d
File Path	D:\Data\2018\2018-06-21 samples 5040 and up.b
Acq Time	6/21/2018 8:59:11 PM
Sample Name	C1633
Sample Type	Sample
Comment	Oriveda Lion's Mane L+ Extract 2018-06-21-22 Lot#VID875H7UTUPH16A
Prep Dilution	120.2212
Auto Dilution	1.0000
Total Dilution	120.2212
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	06/21/2018 21:44:40
Bkg File	003_BKG.d
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	018QBLK.d
VIS Fit	Linear



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FullQuant Table

Element	Mass	Conc.	Units	RSD(%)	Det.
Mg	24	1489465.350	ppb	1.6	Analog
Al	27	189074.307	ppb	0.8	Pulse
K	39	27749054.030	ppb	0.4	Analog
V	51	57.187	ppb	4.0	Pulse
Cr	52	847.246	ppb	0.4	Pulse
Mn	55	36340.296	ppb	1.2	Analog
Fe	56	75215.398	ppb	0.7	Analog
Ni	60	2659.817	ppb	0.4	Pulse
Cu	63	2492.393	ppb	0.5	Pulse
Zn	66	32419.774	ppb	0.2	Pulse
As	75	135.886	ppb	3.0	Pulse
Se	78	80.411	ppb	8.1	Pulse
Sr	88	20085.469	ppb	1.4	Mix
Mo	95	603.931	ppb	0.8	Pulse
Ag	107	<0.000	ppb	N/A	Pulse
Cd	111	30.549	ppb	4.0	Pulse
Cd	114	29.648	ppb	4.2	Pulse
Cs	133	105.662	ppb	1.1	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	231.402	ppb	1.5	Pulse
Pb	207	215.839	ppb	2.1	Pulse
Pb	208	221.812	ppb	0.6	Pulse
U	238	18.501	ppb	2.8	Pulse

ISTD Table:

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
He	Sc	45	753043.53	3.7	106.3	Pulse	0.3000	3
He	Ge	72	70560.44	3.6	96.1	Pulse	0.3000	3
He	In	115	589919.50	3.2	92.0	Pulse	0.3000	3
He	Te	125	78723.42	3.2	105.1	Pulse	0.3000	3
He	Tb	159	1814101.59	2.8	96.7	Analog	0.2000	3
He	Bi	209	979739.28	2.4	84.8	Pulse	0.2000	3