

Certificate Issued To:
ORIVeDA



Work performed at:

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FDA Registration No. 18174842550

Certificate of Analysis:

Determination of (1>3) (1>6) Beta Glucan, Cordycepin, Adenosine, Uridine, Cordycepic Acid and Polyphenols in OrIVeDA Cordyceps C+ Extract by Megazyme, HPLC and UV Methods

Company Name: ORIVeDA
Sample Description: OrIVeDA Cordyceps C+ Extract
Received Date: 04-24-18
Lot Number: Oriveda 02
Lab Number: L#12008
Payment Method: Paypal

The analysis results

Sample	Lab#	Analyses	Target	Results
OrIVeDA Cordyceps C+ Extract	L#12008	(1>3) (1>6)Beta Glucan	N/A	22.8%
OrIVeDA Cordyceps C+ Extract	L#12008	Cordycepin	NLT 1%	1.28%
OrIVeDA Cordyceps C+ Extract	L#12008	Adenosine	NLT 0.4%	1.04%
OrIVeDA Cordyceps C+ Extract	L#12008	Uridine	N/A	0.60%
OrIVeDA Cordyceps C+ Extract	L#12008	Cordycepic Acid	NLT 15%	17.94%
OrIVeDA Cordyceps C+ Extract	L#12008	Polyphenols	N/A	1.19%

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

Approved by:

Hongyan Wang, President/PhD

Report Date: 05-02-18

Cordyceps C+

2018	levels (ppb)	levels in mg/g	levels per serving (mcg / 860 mg)
HEAVY METALS *			
Lead (Pb)	299.729	0.000299729	0.2578
Arsenic (As)	372.134	0.000372134	0.3200
Cadmium (Cd)	76.277	7.6277E-05	0.0656
Mercury (Hg)	0	0	0.0000
COMPOUNDS			
Manganese (Mn)	16306.83	0.01630683	14.0239
Zinc (Zn)	33091.202	0.033091202	28.4584
Magnesium (Mg)	1414330.473	1.414330473	1216.3242
Aluminum (Al)	18498.645	0.018498645	15.9088
Potassium (K)	21569745.289	21.569745289	18549.9809
Iron (Fe)	57518.22	0.05751822	49.4657
Copper (Cu)	3518.682	0.003518682	3.0261
Silver (Ag)	0	0	0.0000
Molybdenium (Mo)	982.693	0.000982693	0.8451
Selenium (Se)	108.643	0.000108643	0.0934
Nickel (Ni)	1590.396	0.001590396	1.3677
Cromium (Cr)	779.178	0.000779178	0.6701
Vanadium (V)	48.943	4.8943E-05	0.0421
Caesium (Cs-133)	82.147	8.2147E-05	0.0706
Strontium (Sr-88)	4041.69	0.00404169	3.4759
Uranium (U)	25.067	2.5067E-05	0.0216

ESSENTIAL NUTRIENTS with a recommended daily value (FDA)	nutrient levels per serving (mcg / 860 mg)	FDA, recommended daily value (RDV in mcg), 4 years and older	percentage of RDV in this extract, per nutrient
Manganese (Mn)	14.0239	2000	0.70%
Zinc (Zn)	28.4584	15000	0.19%
Magnesium (Mg)	1216.3242	400000	0.30%
Potassium (K)	18549.9809	3500000	0.53%
Iron (Fe)	49.4657	18000	0.27%
Copper (Cu)	3.0261	2000	0.15%
Molybdenium (Mo)	0.8451	75	1.13%
Selenium (Se)	0.0934	70	0.13%
Cromium (Cr)	0.6701	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 (here: 860 mg daily (Adult, 70-80 kgs))

* 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	048SMPL.d
File Path	D:\Data\2018\2018-06-21 samples 5040 and up.b
Acq Time	6/21/2018 8:53:40 PM
Sample Name	C1630
Sample Type	Sample
Comment	Orveda Cordyceps C+ 2018-06-21-19 Lot:#VIDGC3D828U36L17
Prep Dilution	125.0313
Auto Dilution	1.0000
Total Dilution	125.0313
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	1414330.473	ppb	0.5	Analog
Al	27	18498.645	ppb	1.1	Pulse
K	39	21569745.289	ppb	0.5	Analog
V	51	48.943	ppb	9.3	Pulse
Cr	52	779.178	ppb	4.9	Pulse
Mn	55	16306.830	ppb	0.7	Pulse
Fe	56	57518.220	ppb	1.1	Analog
Ni	60	1590.396	ppb	2.0	Pulse
Cu	63	3518.682	ppb	0.8	Pulse
Zn	66	33091.202	ppb	0.0	Pulse
As	75	372.134	ppb	2.5	Pulse
Se	78	108.643	ppb	54.7	Pulse
Sr	88	4041.690	ppb	0.4	Pulse
Mo	95	982.693	ppb	2.4	Pulse
Ag	107	<0.000	ppb	N/A	Pulse
Cd	111	36.325	ppb	10.8	Pulse
Cd	114	39.952	ppb	5.4	Pulse
Cs	133	82.147	ppb	1.8	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	102.508	ppb	1.3	Pulse
Pb	207	95.886	ppb	1.7	Pulse
Pb	208	101.335	ppb	1.3	Pulse
U	238	25.067	ppb	3.1	Pulse

ISTD Table:

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
He	Sc	45	699760.32	4.7	98.8	Pulse	0.3000	3
He	Ge	72	67392.60	4.8	91.8	Pulse	0.3000	3
He	In	115	577848.81	3.6	90.1	Pulse	0.3000	3
He	Te	125	74624.13	3.0	99.6	Pulse	0.3000	3
He	Tb	159	1779796.95	2.7	94.8	Analog	0.2000	3
He	Bi	209	988084.62	2.1	85.5	Pulse	0.2000	3