

## Certificate of Analysis

Oriveda BV

<b>Sample Name:</b>	<b>1 CCCE Mushroom Extract Blend</b>	<b>Eurofins Sample:</b>	<b>8244900</b>
<b>Project ID</b>	ORIVED_HAR-20190314-0001	<b>Receipt Date</b>	14-Mar-2019
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	2019	<b>Login Date</b>	14-Mar-2019
<b>Sample Serving Size</b>		<b>Online Order</b>	20

Analysis	Result
<b>Beta Glucan</b>	
Beta Glucan	26.0 %
<b>Calculated Sample Weight</b>	
Entity Weight	0.5467 g
Entity Fill Weight	0.4519 g
<b>Total Polyphenols</b>	
Total Polyphenols (Gallic Acid Equivalents)	1.49 %

Method References	Testing Location
<b>Beta Glucan (MISC_YBGL)</b> Megazyme Kit K-YBGL	Food Integrity Innovation-Madison
<b>Calculated Sample Weight (PREP)</b>	Food Integrity Innovation-Madison
<b>Total Polyphenols (TOTP_S)</b> Methods of Enzymology, Volume 299, Oxidants and Antioxidants Part A, Pages 152-178, 1999 (modified).	Food Integrity Innovation-Madison

Testing Location(s)	Released on Behalf of Eurofins by
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Food Integrity Innovation-Madison

Edward Ladwig - Director

Eurofins Food Chemistry Testing US, Inc.  
3301 Kinsman Blvd  
Madison WI 53704  
800-675-8375

Eurofins Food Integrity and Innovation accepts all liability for work conducted as of 01 Aug 2018.

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 Cordycepin in ORIVeDA CCCE by HPLC Method

Company Name: ORIVeDA  
Sample Description: ORIVeDA CCCE  
Received Date: 04-06-19  
Lot Number: N/A  
Lab Number: L#13919  
Payment Method: Paypal

**The analysis results**

Sample	Lab#	Analyses	Target	Results
ORIVeDA CCCE	L#13919	Cordycepin	NLT 0.5%	0.59%

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

Approved by:

Hongyan Wang, President/PhD

Report Date: 04-23-19

**CCCE Beta-Glucan blend**

oriveda

2019	levels (ppb)	levels in mg/g	levels per serving (mcg / 800 mg)
<b>HEAVY METALS *</b>			
Lead (Pb)	968.475	0.000968475	0.7748
Arsenic (As)	851.403	0.000851403	0.6811
Cadmium (Cd)	458.014	0.000458014	0.3664
Mercury (Hg)	0	0	0.0000
<b>COMPOUNDS</b>			
Manganese (Mn)	75856.513	0.075856513	60.6852
Zinc (Zn)	33787.501	0.033787501	27.0300
Magnesium (Mg)	1283184.258	1.283184258	1026.5474
Aluminum (Al)	109517.847	0.109517847	87.6143
Potassium (K)	17725801.113	17.725801113	14180.6409
Iron (Fe)	168340.029	0.168340029	134.6720
Copper (Cu)	12496.992	0.012496992	9.9976
Silver (Ag)	712.283	0.000712283	0.5698
Molybdenium (Mo)	189.609	0.000189609	0.1517
Selenium (Se)	94.514	9.4514E-05	0.0756
Nickel (Ni)	906.373	0.000906373	0.7251
Cromium (Cr)	1368.051	0.001368051	1.0944
Vanadium (V)	259.11	0.00025911	0.2073
Caesium (Cs-133)	201.528	0.000201528	0.1612
Strontium (Sr-88)	10390.143	0.010390143	8.3121
Uranium (U)	11.519	1.1519E-05	0.0092

<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)	60.6852	2000	3.03%
Zinc (Zn)	27.0300	15000	0.18%
Magnesium (Mg)	1026.5474	400000	0.26%
Potassium (K)	14180.6409	3500000	0.41%
Iron (Fe)	134.6720	18000	0.75%
Copper (Cu)	9.9976	2000	0.50%
Molybdenium (Mo)	0.1517	75	0.20%
Selenium (Se)	0.0756	70	0.11%
Cromium (Cr)	1.0944	120	0.91%

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>	049SMPL.d
<b>File Path</b>	D:\Data\2019\2019-04-15 samples 5726 and up.b
<b>Acq Time</b>	4/15/2019 1:33:03 PM
<b>Sample Name</b>	C1818
<b>Sample Type</b>	Sample
<b>Comment</b>	ORIVeDA CCCE beta-glucan formula 2019-04-10-21 Lot#VID65K36ZG630VK6
<b>Prep Dilution</b>	122.9105
<b>Auto Dilution</b>	1.0000
<b>Total Dilution</b>	122.9105
<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	1283184.258	ppb	1.0	Analog
Al	27	109517.847	ppb	0.4	Pulse
K	39	17725801.113	ppb	1.6	Analog
V	51	259.110	ppb	3.5	Pulse
Cr	52	1368.051	ppb	2.1	Pulse
Mn	55	75856.513	ppb	0.6	Analog
Fe	56	168340.029	ppb	1.7	Analog
Ni	60	906.373	ppb	0.8	Pulse
Cu	63	12496.992	ppb	1.0	Pulse
Zn	66	33787.501	ppb	2.1	Pulse
As	75	851.403	ppb	1.4	Pulse
Se	78	94.514	ppb	68.1	Pulse
Sr	88	10390.143	ppb	2.9	Pulse
Mo	95	189.609	ppb	5.4	Pulse
Ag	107	712.283	ppb	8.7	Pulse
Cd	111	225.727	ppb	2.8	Pulse
Cd	114	232.287	ppb	0.8	Pulse
Cs	133	201.528	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	326.383	ppb	2.3	Pulse
Pb	207	323.450	ppb	3.3	Pulse
Pb	208	318.642	ppb	3.1	Pulse
U	238	11.519	ppb	4.1	Pulse

### ISTD Table:

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
He	Sc	45	509556.68	0.6	82.7	Pulse	0.3000	3
He	Ge	72	56871.09	1.0	80.1	Pulse	0.3000	3
He	In	115	512535.02	0.3	78.2	Pulse	0.3000	3
He	Te	125	76162.78	0.6	88.2	Pulse	0.3000	3
He	Tb	159	1538108.36	1.0	83.9	Analog	0.2000	3
He	Bi	209	895964.70	0.4	76.3	Pulse	0.2000	3