

## Certificate of Analysis

Oriveda BV

~~XXXXXXXXXX~~  
~~XXXXXXXXXX~~

<b>Sample Name:</b>	<b>#5 PSP-50 (Coriolus versicolor extract)</b>	<b>Eurofins Sample:</b>	<b>10739836</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	42.4 %
<b>Total Polyphenols</b>	
Total Polyphenols (Gallic Acid Equivalents)	0.788 %

Method References	Testing Location
-------------------	------------------

<b>Beta Glucan (MISC_YBGL)</b>	<b>Food Integrity Innovation-Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA
--------------------------------	--

Megazyme Kit K-YBGL

<b>Total Polyphenols (TOTP_S)</b>	<b>Food Integrity Innovation-Madison</b> 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
---------------------	-----------------------------------

<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.

**Coriolus PSP-50**

oriveda

2021	levels (ppb)	levels in mg/g	levels per serving (mcg / 1050 mg)
<b>HEAVY METALS *</b>			
Lead (Pb)	1257.865	0.001257865	1.3208
Arsenic (As)	123.452	0.000123452	0.1296
Cadmium (Cd)	120.382	0.000120382	0.1264
Mercury (Hg)	0	0.000000000	0.0000
<b>COMPOUNDS</b>			
Manganese (Mn)	26426.234	0.026426234	27.7475
Zinc (Zn)	43997.818	0.043997818	46.1977
Magnesium (Mg)	1284825.514	1.284825514	1349.0668
Aluminum (Al)	34420.075	0.034420075	36.1411
Potassium (K)	6797870.449	6.797870449	7137.7640
Iron (Fe)	142502.528	0.142502528	149.6277
Copper (Cu)	8459.345	0.008459345	8.8823
Silver (Ag)	0	0.000000000	0.0000
Molybdenum (Mo)	577.286	0.000577286	0.6062
Selenium (Se)	0	0.000000000	0.0000
Nickel (Ni)	1787.171	0.001787171	1.8765
Cromium (Cr)	633.334	0.000633334	0.6650
Vanadium (V)	111.474	0.000111474	0.1170
Caesium (Cs-133)	31.753	0.000031753	0.0333
Strontium (Sr-88)	3049.174	0.003049174	3.2016
Uranium (U)	5.668	0.000005668	0.0060

<b>ESSENTIAL NUTRIENTS with a recommended daily value (FDA)</b>	<b>nutrient levels per serving (mcg / 1050 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)	27.7475	2000	1.39%
Zinc (Zn)	46.1977	15000	0.31%
Magnesium (Mg)	1349.0668	400000	0.34%
Potassium (K)	7137.7640	3500000	0.20%
Iron (Fe)	149.6277	18000	0.83%
Copper (Cu)	8.8823	2000	0.44%
Molybdenum (Mo)	0.6062	75	0.81%
Selenium (Se)	0.0000	70	0.00%
Cromium (Cr)	0.6650	120	0.55%

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: 1050 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)



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	1284825.514	ppb	2.4	Analog
Al	27	34420.075	ppb	2.1	Pulse
K	39	6797870.449	ppb	2.2	Analog
V	51	111.474	ppb	7.5	Pulse
Cr	52	633.334	ppb	2.4	Pulse
Mn	55	26426.234	ppb	1.8	Pulse
Fe	56	142502.528	ppb	2.7	Analog
Ni	60	1787.171	ppb	2.7	Pulse
Cu	63	8459.345	ppb	1.4	Pulse
Zn	66	43997.818	ppb	2.7	Pulse
As	75	123.452	ppb	5.4	Pulse
Se	78	<0.000	ppb	N/A	Pulse
Sr	88	3049.174	ppb	3.5	Pulse
Mo	95	577.286	ppb	5.6	Pulse
Ag	107	<0.000	ppb	N/A	Pulse
Cd	111	59.080	ppb	6.6	Pulse
Cd	114	61.302	ppb	7.1	Pulse
Cs	133	31.753	ppb	6.2	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	427.129	ppb	2.2	Pulse
Pb	207	416.533	ppb	3.9	Pulse
Pb	208	414.203	ppb	2.1	Pulse
U	238	5.668	ppb	48.3	Pulse

### ISTD Table:

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
He	Sc	45	112992.06	0.6	111.5	Pulse	0.6000	3
He	Ge	72	9035.34	2.4	100.8	Pulse	0.6000	3
He	In	115	70904.57	0.5	101.2	Pulse	0.6000	3
He	Te	125	8960.94	1.0	101.8	Pulse	0.6000	3
He	Tb	159	196139.21	0.8	105.9	Pulse	0.6000	3
He	Bi	209	93666.91	0.5	100.8	Pulse	0.6000	3