

## Certificate of Analysis

Oriveda BV

<b>Sample Name:</b>	<b>#5 PSP-50 (Coriolus versicolor extract)</b>	<b>Eurofins Sample:</b>	<b>12014389</b>
<b>Project ID</b>	ORIVED_HAR-20220729-0001	<b>Receipt Date</b>	29-Jul-2022
<b>PO Number</b>	NA	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	2022-2023	<b>Login Date</b>	29-Jul-2022
		<b>Date Started</b>	04-Aug-2022
		<b>Sampled</b>	Sample results apply as received
		<b>Number Composited</b>	6

Analysis	Result
<b>Beta Glucan</b>	
Beta Glucan	48.1 %
<b>Total Polyphenols</b>	
Total Polyphenols (Gallic Acid Equivalents)	11.7 mg/g

Method References	Testing Location
<b>Beta Glucan (MISCYBGL_S)</b>	<b>Food Integrity Innovation-Madison</b>
Megazyme Kit K-YBGL	6304 Ronald Reagan Ave Madison, WI 53704 USA
<b>Total Polyphenols (TOTP_S)</b>	<b>Food Integrity Innovation-Madison</b>
Reference: Abelson, J. N, M. I. Simon, and H. Sies. "Oxidants and Antioxidants Part A." Methods of Enzymology. 299:152-178 (1999). (modified).	6304 Ronald Reagan Ave Madison, WI 53704 USA

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**

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2023	levels (ppb)	levels in mg/g	levels per serving (mcg / 1050 mg)
<b>HEAVY METALS *</b>			
Lead (Pb)	544.633	0.000544633	0.5719
Arsenic (As)	345.479	0.000345479	0.3628
Cadmium (Cd)	162.556	0.000162556	0.1707
Mercury (Hg)	0	0.000000000	0.0000
<b>COMPOUNDS</b>			
Manganese (Mn)	30477.253	0.030477253	32.0011
Zinc (Zn)	16009.545	0.016009545	16.8100
Magnesium (Mg)	1127093.062	1.127093062	1183.4477
Aluminum (Al)	109041.024	0.109041024	114.4931
Potassium (K)	9990681.818	9.990681818	10490.2159
Iron (Fe)	165836.58	0.165836580	174.1284
Copper (Cu)	4328.396	0.004328396	4.5448
Silver (Ag)	1.059	0.000001059	0.0011
Molybdenum (Mo)	239.316	0.000239316	0.2513
Selenium (Se)	51.308	0.000051308	0.0539
Nickel (Ni)	2111.628	0.002111628	2.2172
Cromium (Cr)	2716.31	0.002716310	2.8521
Vanadium (V)	195.644	0.000195644	0.2054
Caesium (Cs-133)	115.072	0.000115072	0.1208
Strontium (Sr-88)	42056.618	0.042056618	44.1594
Uranium (U)	13.071	0.000013071	0.0137

<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)	32.0011	2000	1.60%
Zinc (Zn)	16.8100	15000	0.11%
Magnesium (Mg)	1183.4477	400000	0.30%
Potassium (K)	10490.2159	3500000	0.30%
Iron (Fe)	174.1284	18000	0.97%
Copper (Cu)	4.5448	2000	0.23%
Molybdenum (Mo)	0.2513	75	0.34%
Selenium (Se)	0.0539	70	0.08%
Cromium (Cr)	2.8521	120	2.38%

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)



# Metals Analysis Report



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## FullQuant Table

Element	Mass	Conc.	Units	RSD(%)	Det.
Mg	24	1127093.062	ppb	2.3	Analog
Al	27	109041.024	ppb	2.5	Pulse
K	39	9990681.818	ppb	1.7	Analog
V	51	195.644	ppb	3.5	Pulse
Cr	52	2716.310	ppb	2.4	Pulse
Mn	55	30477.253	ppb	2.9	Analog
Fe	56	165836.580	ppb	2.0	Analog
Ni	60	2111.628	ppb	2.1	Pulse
Cu	63	4328.396	ppb	2.2	Pulse
Zn	66	16009.545	ppb	0.7	Pulse
As	75	345.479	ppb	2.7	Pulse
Se	78	51.308	ppb	40.5	Pulse
Sr	88	42056.618	ppb	1.2	Analog
Mo	95	239.316	ppb	1.3	Pulse
Ag	107	1.059	ppb	65.3	Pulse
Cd	111	79.824	ppb	2.1	Pulse
Cd	114	82.732	ppb	2.9	Pulse
Cs	133	115.072	ppb	1.3	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	184.225	ppb	3.1	Pulse
Pb	207	178.486	ppb	0.4	Pulse
Pb	208	181.922	ppb	1.8	Pulse
U	238	13.071	ppb	3.3	Pulse

## ISTD Table:

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
He	Sc	45	748361.26	0.6	134.9	Pulse	0.6000	3
He	Ge	72	71929.43	1.9	117.9	Pulse	0.6000	3
He	In	115	598619.52	1.5	117.6	Pulse	0.6000	3
He	Te	125	77503.95	1.7	120.4	Pulse	0.6000	3
He	Tb	159	1669587.40	2.5	119.1	Analog	0.6000	3
He	Bi	209	832076.50	0.7	103.2	Pulse	0.6000	3