

Certificate of Analysis

Oriveda BV

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Sample Name:	#8 ABM extract (Agaricus blazei Murrill)	Eurofins Sample:	10739839
Project ID	ORIVED_HAR-20210705-0001	Receipt Date	05-Jul-2021
PO Number	N/A	Receipt Condition	Ambient temperature
Lot Number	2021-2023	Login Date	05-Jul-2021
Sample Serving Size		Date Started	09-Jul-2021
		Sampled	Sample results apply as received
		Number Composited	20

Analysis	Result
Beta Glucan	
Beta Glucan	38.6 %
Total Polyphenols	
Total Polyphenols (Gallic Acid Equivalents)	0.746 %

Method References	Testing Location
Beta Glucan (MISC_YBGL)	Food Integrity Innovation-Madison
Megazyme Kit K-YBGL	6304 Ronald Reagan Ave Madison, WI 53704 USA
Total Polyphenols (TOTP_S)	Food Integrity Innovation-Madison
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
Food Integrity Innovation-Madison	Edward Ladwig - President Eurofins Food Chemistry Testing Madison
Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375	

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ABM EXTRACT

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2021	levels (ppb)	levels in mg/g	levels per serving (mcg / 1050 mg)
HEAVY METALS *			
Lead (Pb)	84.186	0.000084186	0.0884
Arsenic (As)	1321.04	0.001321040	1.3871
Cadmium (Cd)	75.508	0.000075508	0.0793
Mercury (Hg)	0	0.000000000	0.0000
COMPOUNDS			
Manganese (Mn)	1986.541	0.001986541	2.0859
Zinc (Zn)	7021.506	0.007021506	7.3726
Magnesium (Mg)	421413.679	0.421413679	442.4844
Aluminum (Al)	5849.709	0.005849709	6.1422
Potassium (K)	16025542.509	16.025542509	16826.8196
Iron (Fe)	22501.53	0.022501530	23.6266
Copper (Cu)	2259.135	0.002259135	2.3721
Silver (Ag)	0	0.000000000	0.0000
Molybdenium (Mo)	92.084	0.000092084	0.0967
Selenium (Se)	288.098	0.000288098	0.3025
Nickel (Ni)	210.185	0.000210185	0.2207
Cromium (Cr)	130.427	0.000130427	0.1369
Vanadium (V)	87.299	0.000087299	0.0917
Caesium (Cs-133)	26.602	0.000026602	0.0279
Strontium (Sr-88)	618.807	0.000618807	0.6497
Uranium (U)	0	0.000000000	0.0000

ESSENTIAL NUTRIENTS with a recommended daily value (FDA)	nutrient levels per serving (mcg / 1050 mg)	FDA, recommended daily value (RDV in mcg), 4 years and older	percentage of RDV in this extract, per nutrient
Manganese (Mn)	2.0859	2000	0.10%
Zinc (Zn)	7.3726	15000	0.05%
Magnesium (Mg)	442.4844	400000	0.11%
Potassium (K)	16826.8196	3500000	0.48%
Iron (Fe)	23.6266	18000	0.13%
Copper (Cu)	2.3721	2000	0.12%
Molybdenium (Mo)	0.0967	75	0.13%
Selenium (Se)	0.3025	70	0.43%
Cromium (Cr)	0.1369	120	0.11%

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)



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FullQuant Table

Element	Mass	Conc.	Units	RSD(%)	Det.
Mg	24	421413.679	ppb	0.8	Pulse
Al	27	5849.709	ppb	3.6	Pulse
K	39	16025542.509	ppb	1.6	Analog
V	51	87.299	ppb	6.7	Pulse
Cr	52	130.427	ppb	5.0	Pulse
Mn	55	1986.541	ppb	2.1	Pulse
Fe	56	22501.530	ppb	1.0	Pulse
Ni	60	210.185	ppb	2.9	Pulse
Cu	63	2259.135	ppb	0.7	Pulse
Zn	66	7021.506	ppb	2.4	Pulse
As	75	1321.040	ppb	1.8	Pulse
Se	78	288.098	ppb	6.3	Pulse
Sr	88	618.807	ppb	3.7	Pulse
Mo	95	92.084	ppb	3.6	Pulse
Ag	107	<0.000	ppb	N/A	Pulse
Cd	111	35.819	ppb	13.8	Pulse
Cd	114	39.689	ppb	11.8	Pulse
Cs	133	26.602	ppb	8.9	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	28.575	ppb	10.2	Pulse
Pb	207	28.521	ppb	3.2	Pulse
Pb	208	27.090	ppb	8.4	Pulse
U	238	<0.000	ppb	N/A	Pulse

ISTD Table:

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
He	Sc	45	110358.98	0.6	108.9	Pulse	0.6000	3
He	Ge	72	8952.51	1.7	99.9	Pulse	0.6000	3
He	In	115	69080.72	1.0	98.6	Pulse	0.6000	3
He	Te	125	8689.68	2.8	98.7	Pulse	0.6000	3
He	Tb	159	190329.23	0.3	102.7	Pulse	0.6000	3
He	Bi	209	90220.06	0.7	97.1	Pulse	0.6000	3