

Certificate of Analysis

Oriveda BV

Sample Name:	ABM Extract (Agarucis Blazei Murrill)	Eurofins Sample:	8380977
Project ID	ORIVED_HAR-20190424-0002	Receipt Date	24-Apr-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	2019	Login Date	24-Apr-2019
Sample Serving Size	1 Cap	Date Started	26-Apr-2019
		Online Order	0

Analysis	Result
Beta Glucan	
Beta Glucan	27.5 %
Calculated Sample Weight	
Entity Weight	0.4475 g
Entity Fill Weight	0.3507 g
Total Polyphenols	
Total Polyphenols (Gallic Acid Equivalents)	0.917 %

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

Testing Location(s)	Released on Behalf of Eurofins by
Food Integrity Innovation-Madison	Edward Ladwig - Director
Eurofins Food Chemistry Testing US, Inc. 3301 Kinsman Blvd Madison WI 53704 800-675-8375	

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ABM EXTRACT

2019	levels (ppb)	levels in mg/g	levels per serving (mcg / 1050 mg)
HEAVY METALS *			
Lead (Pb)	733.39	0.00073339	0.7701
Arsenic (As)	2311.861	0.002311861	2.4275
Cadmium (Cd)	1033.754	0.001033754	1.0854
Mercury (Hg)	0	0	0.0000
COMPOUNDS			
Manganese (Mn)	15283.597	0.015283597	13.7552
Zinc (Zn)	31372.858	0.031372858	28.2356
Magnesium (Mg)	708681.922	0.708681922	637.8137
Aluminum (Al)	54759.398	0.054759398	49.2835
Potassium (K)	19203258.314	19.203258314	17282.9325
Iron (Fe)	113647.294	0.113647294	102.2826
Copper (Cu)	12946.343	0.012946343	11.6517
Silver (Ag)	1947.464	0.001947464	1.7527
Molybdenium (Mo)	58.254	5.8254E-05	0.0524
Selenium (Se)	1092.017	0.001092017	0.9828
Nickel (Ni)	382.593	0.000382593	0.3443
Chromium (Cr)	1219.065	0.001219065	1.0972
Vanadium (V)	205.697	0.000205697	0.1851
Caesium (Cs-133)	45.32	4.532E-05	0.0408
Strontium (Sr-88)	2150.114	0.002150114	1.9351
Uranium (U)	16.765	1.6765E-05	0.0151

ESSENTIAL NUTRIENTS with a recommended daily value (FDA)	nutrient levels per serving (mcg / 900 mg)	FDA, recommended daily value (RDV in mcg), 4 years and older	percentage of RDV in this extract, per nutrient
Manganese (Mn)	13.7552	2000	0.69%
Zinc (Zn)	28.2356	15000	0.19%
Magnesium (Mg)	637.8137	400000	0.16%
Potassium (K)	17282.9325	3500000	0.49%
Iron (Fe)	102.2826	18000	0.57%
Copper (Cu)	11.6517	2000	0.58%
Molybdenium (Mo)	0.0524	75	0.07%
Selenium (Se)	0.9828	70	1.40%
Chromium (Cr)	1.0972	120	0.91%

ppb : 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.

File Name	051SMPL.d
File Path	D:\Data\2019\2019-04-15 samples 5726 and up.b
Acq Time	4/15/2019 1:39:27 PM
Sample Name	C1820
Sample Type	Sample
Comment	ORIVeDA ABM (Agaricus blazei Murrill) extract 2019-04-10-23 Lot#VIDLMFRD011SYM94
Prep Dilution	122.1598
Auto Dilution	1.0000
Total Dilution	122.1598
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	04/15/2019 14:42:52
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	708681.922	ppb	2.3	Analog
Al	27	54759.398	ppb	0.5	Pulse
K	39	19203258.314	ppb	1.6	Analog
V	51	205.697	ppb	7.0	Pulse
Cr	52	1219.065	ppb	1.3	Pulse
Mn	55	15283.597	ppb	1.5	Pulse
Fe	56	113647.294	ppb	2.7	Analog
Ni	60	382.593	ppb	8.1	Pulse
Cu	63	12946.343	ppb	1.1	Pulse
Zn	66	31372.858	ppb	1.5	Pulse
As	75	2311.861	ppb	0.7	Pulse
Se	78	1092.017	ppb	2.9	Pulse
Sr	88	2150.114	ppb	2.1	Pulse
Mo	95	58.254	ppb	11.4	Pulse
Ag	107	1947.464	ppb	4.1	Pulse
Cd	111	515.801	ppb	2.8	Pulse
Cd	114	517.953	ppb	0.5	Pulse
Cs	133	45.320	ppb	3.0	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	256.321	ppb	5.2	Pulse
Pb	207	237.925	ppb	4.1	Pulse
Pb	208	239.144	ppb	0.0	Pulse
U	238	16.765	ppb	7.3	Pulse

ISTD Table:

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
He	Sc	45	501022.65	0.6	81.3	Pulse	0.3000	3
He	Ge	72	56037.22	0.4	78.9	Pulse	0.3000	3
He	In	115	503975.70	0.9	76.9	Pulse	0.3000	3
He	Te	125	75133.40	1.8	87.0	Pulse	0.3000	3
He	Tb	159	1529030.92	1.2	83.4	Analog	0.2000	3
He	Bi	209	899532.67	1.1	76.6	Pulse	0.2000	3