

## Certificate of analysis

Certificate-no.	157404
Material	Yestimun® Beta-Glucan
Material-no.	100363
Batch number	22031296
Splitt-no.	0
Manufacturing date	09/06/2022
Best before	08/06/2027

Parameter	Analytical Method	Specification	Analysis
Dry matter	ASU §64 LFGB L 02.09-4 / DIN 10453 (mod.) Drying oven	>= 94 %	96 %
Protein	ASU § 64 LFGB L 01.00 10-1 Kjeldahl	<= 4 %	2 %
Ash	ASU §64 LFGB L01.00-77 (mod.) Ash residue	<= 2 %	1 %
(1,3)-(1,6)-β-D-Glucan	Megazyme, Enzymatic Yeast Beta-Glucan	80...90 %	86 %
Gluten	R-Biopharm; RIDASCREEN Gliadin; Art. Nr. R7001 ELISA	<= 20 ppm	conform
Bulk density	DIN EN ISO 60 Volumetry	450...550 g/l	479 g/l
Arsenic	ASU § 64 LFGB L 00.00-135 bzw. VDLUFA III 17.9.1 ICP-MS	<= 0.20 mg/kg	conform
Lead	ASU § 64 LFGB L 00.00-135 bzw. VDLUFA III 17.9.1 ICP-MS	<= 0.20 mg/kg	conform
Cadmium	ASU § 64 LFGB L 00.00-135 bzw. VDLUFA III 17.9.1 ICP-MS	<= 0.100 mg/kg	conform
Mercury	ASU § 64 LFGB L 00.00-135 bzw. VDLUFA III 17.4.3 ICP-MS	<= 0.050 mg/kg	conform
Aerobic Plate Count		<= 1000 cfu / g	< 100 cfu / g
Yeasts		<= 25 cfu / g	< 10 cfu / g
Moulds		<= 25 cfu / g	< 10 cfu / g
Enterobacteriaceae		<= 100 cfu / g	< 10 cfu / g
Bacillus cereus		<= 100 cfu / g	< 10 cfu / g
Coliforms /g		negative	conform
E. coli /g		negative	conform
Staph. aureus / 25 g		negative	conform
Salmonellae / 25 g		negative	conform

Quality and sanitary controls were in agreement to specifications.

Bramsche, 06/09/22

Mr. M. Hebeke

Head of Quality Assurance

This certificate has been created electronically and is valid without signature.

Statement of the above data does not release the buyer from the legal obligation to examine the material on receipt. These data cannot be construed as a legal warranty or guarantee of certain properties of the product for a specific application.