 BIOTIGEN NATURAL LIFE	Specyfikacja produktu	SP-1
	PRODUCT SPECIFICATION COLOSTRUM BOVINUM DELACTOSED (skimmed)	Version 1
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Prepared/Opracował	Quality Assurance Manager/Kierownik ds. jakości	
Approved/Zatwierdził	Owner	

Product name: COLOSTRUM BOVINUM DELACTOSED (skimmed)

1. General information:


Market designation:	Colostrum-skimmed concentrated powder
Product description:	Skimmed, spray-dried powder of <i>Colostrum bovine lactose free</i>
Energy per 100 g powder	≈ 1500 kJ
Nature	Bovine milk
Color	Light yellow
Taste and Odor	Typical milk powder, mildly sweet, with no foreign aftertaste
Texture:	Powder, no visible contamination
Shelf life:	24 months from the production date (kept in closed, original packaging)
Packaging:	20 kg Bag with a label in a company box.
Storage conditions:	Dry and dark place, temperature below 20°C. Humidity relative max: 75%.
Disease status	Free of Brucellosis, TB, EBL (Leucosis), Johne's Disease, BVD, BSE.

2. Application:

Target group:	Generally suitable for consumption except for people allergic to milk products.
Areas:	Human nutrition, dietary supplements, animals nutrition, cosmetics

3. Nutrition value:

Nutritional value in 100 g	
Energy	1474 kJ/347 kcal
Protein	62 g
Carbohydrates in which sugars	23 g 14 g
Fat In which saturated	0,4 g 0,3 g
Salt	0,9 g
Fibre	2,1 g

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4. Chemical and physical parameters:

Component	Method	SPECYFICATION
Immunoglobulin G (%) (absolutely in matter)	BLI Bio-layer Interferometry	min. 30%
Protein %	(Ae) (O) PB-14/LF, wyd. 6 z dnia 24.03.2017	60 -70
Fat %	(Ae) PB-69/LF, wyd. 4 z dnia 09.04.2018	0,4 - 1,2
Lactose	(Ae) (O) PB-14/LF, wyd. 6 z dnia 24.03.2017	max. 0,1
Ash %	(Ae) (O) PB-19/LF, wyd. 4 dnia 24.03.2017	4 - 8
Moisture %	(Ae) (O) PB-16/LF, wyd. z 6 dnia 26.08.2019	4 - 8
pH %	According to IL-04.02/Zgodnie z IL-04.02	6 - 7


5. Microbiological parameter:

Component	Method	SPECYFICATION
Total plate count (CFU/g)	PN-EN ISO 4833-1:2013-12, PN-EN ISO 4833-1:2013-12/Apl:2016-11	not more than 10^4 /g
Yeast and Moulds (CFU/g)	PN-ISO 21527-2:2009	max. 3.0×10^1
Coliform bacteria (CFU/g)	PN-ISO 4831:2007 pkt 9.1	negative in / 1g
Escherichia coli (CFU/g)	PN-ISO 4831:2007	negative in / 1g
Clostridium perfringens	(Ae) (O) PN-EN ISO 7937:2005	$< 1.0 \times 10^1$
Coagulase pos. Staphylococcus (CFU/g)	(Ae) (O) PN-EN ISO 6888-3:2004, (Ae) (O) PN-EN ISO 6888-3:2004/AC:2005	negative in / 1g
Enterobacteriaceae (CFU/g)	(Ae) (O) PN-EN ISO 21528-2:2017-08	negative in / 1g
Salmonella spp.	(Ae) PN-EN ISO 6579-1:2017-04	negative in 25g
Listeria monocytogenes	(Ae) PN-EN ISO 11290-1:2017-07	negative in 25g
Bacillus cereus (CFU/g)	(Ae) (O) PN-EN ISO 7932:2005	$< 1.0 \times 10^1$

6. Heavy metals and requirements concerning contaminants:

Component	Method	SPECYFICATION
Cadmium (mg/kg)	(Ae) (O) PN-EN ISO 15763:2010	max. 1,0
Lead (mg/kg)	(Ae) (O) PN-EN ISO 15763:2010	max. 3,0
Arsenic (mg/kg)	(Ae) (O) PN-EN ISO 15763:2010	max. 0,5
Mercury (mg/kg)	(Ae) (O) PN-EN ISO 15763:2010	max. 0,1

7. Allergens:

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Component	YES	NO
Cereals with gluten (wheat, rye, barley, oat, spelt wheat, kamut, or hybridized strain) and by-products		X
Crustaceans and by-products		X
Eggs and by-products		X
Fish and by-products		X
Peanut and by-products		X
Soya and by-products		X
Milk and by-products (including lactose)	X	
Nuts (almond, walnut, Cashew nut, Pecan nut, Brazil nut, pistachio, Macadamia nut, Queensland nut) and by-products		X
Celery and by-products		X
Mustard and by-products		X
Sesame seeds and by-products		X
Sulphur dioxide and sulphites > 10 mg/kg		X
Lupin and by-products		X
Molluscs and by-products		X


8. Declarations:

Component	YES	NO
GMO content		X
BSE/TSE content		X
Treated with radiation		X
Antibiotics and inhibitory substances		X

Component	Limits
Heavy metals	in accordance with applicable EU-food legislation
Pesticides	In accordance with EU Regulation No 396/2005 (with subsequent amendments)
Ionizing radiation	The product is not treated with ionizing rays
Detection	The product is treated by a metal detection

9. Further information on the product:

- Colostrum-skimmed powder is a natural product and may vary.

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- The product fulfills all requirements according to EU-food-legislation and was tested and approved and can therefore, in principle, be marketed in all countries of the European Union.
- The data included in this specification is based on present regulations, knowledge and latest research.
- The colostrum used to produce COLOSTRUM BOVINUM DELACTOSED (skimmed) is from antibiotic free sources.

10. Change history

Edition	Change description

*The document has been created electronically and is valid without signature