

Certificate of Analysis

Product: *Colostrum liquid, sterile filtered, organic*
Batch: 19010101001, **Date of Manufacture:** 01/2019; **Date of Expiry:** 07/2021

Description: Colostrum liquid is a Premilk extract that contains a high level of free Amino Acids and Immunoglobulins.

Processing: skimmed, de-caseinated, micro-filtered, sterile filtered

Product Characteristics:

- Appearance: yellow, clear
- Free from inhibitory additives
- Very low fat content (less than 1%)
- High in vitamins and minerals
- 1st and 2nd milking only
- 100 % pure colostrum

Composition:

Component	Specification		Result [% (w/w)]	Test assay Reference
	Min.	Max.		
Protein	2.5	6.5	4.9	§ 64 LFGB, L01.00-10/1 u. 10/2
Carbohydrates	0.1	4.1	3.0	Calculated
Sugar	0.1	3.5	n.t.	Calculated, VO (EU) Nr. 1169/2011
Lactose	0.1	3.5	2.1	§ 64 LFGB, L01.00-17
Fat	< 0.1		0.0	Method according to Gerber
Saturated fatty acids	< 0.1		n.t.	DGF C-VI 10a/11d, GC-FID
Salt	0.1	1.2	n.t.	Calculated, VO (EU) Nr. 1169/2011
Water	> 91.0		91.4	Calculated
Dry mass	< 9.0		8.6	§64 LFGB L01.00.27
Ashes	0.2	1.0	0.7	§ 64 LFGB, L01.00-77
IgG	> 2.5 g/ 100 ml		3.3	Turbidimetric Immunoassay Midland
Antibiotics	negative		negative	BRT-Test

Physical/Chemical Analysis:

pH	4.5
Colour	yellowish
Density	1.028 g/ ml
Flavour	milky

Microbiology Analysis:

	Specification	Result
Sterile Test - Bacillus subtilis - Candida albicans - Pseudomonas aerogenosa - Staphylococcus aureus - Aspergillus brasiliensis - E.coli	sterile	sterile
Total cell count	≤ 15 cfu/ml	< 15 cfu/ml
Yeast and Mildew	≤ 10 cfu/ml	< 10 cfu/ml