



CERTIFICATE OF ANALYSIS

Product Description: Lactoferrin

Customer: Sante Laboratories Inc

Factory: 143
 Specification: 6510
 Cypher: II20
 Manufacture Date: 20 April 2024
 Expiry Date: 20 April 2027
 Unit Range: PX003297

Parameter	Unit of Measure	Mean Result	Test Method
Protein	% m/m	97.1	ISO 21543 / IDF 201
Moisture	% m/m	1.0	ISO 21543 / IDF 201
Iron Content ²	mg/100g	15.5	Westland Milk Products Method Base (Based on ISO 21543 / IDF 201)
Iron Saturation ²	%	18.0	Westland Milk Products Method Base (Based on ISO 21543 / IDF 201)
Total Nitrogen ²	%	15.2	Calculation
pH	pH	6.39	ISO 21543 / IDF 201 (modified)
Lactoferrin % of Protein ²	% m/m	96.9	GB 1903.17 (HPLC)
Aflatoxin M1 ^{*1}	µg/kg	<0.010	GB 5009.24 Method II (modified)
Ash	% m/m	0.4	ISO 21543 / IDF 201 (modified)
Solubility		Pass	GB 1903.17 A.3 in Annex A
Appearance ²		Typical	Westland Milk Products Method
Foreign Matter ¹	/5g	Absent	AsureQuality Method
Nitrates ¹	mg/kg	4	ISO 14673-2,3 / IDF 189-2,3
Nitrites ¹	mg/kg	0.1	ISO 14673-2,3 / IDF 189-2,3
Melamine and Cyanuric Acid ^{*1}	mg/kg	Not Detected	AsureQuality Method (LC-MS/MS)
Arsenic ^{*1}	mg/kg	<0.02	AsureQuality Method (ICP-MS)
Lead ^{*1}	mg/kg	<0.01	AsureQuality Method (ICP-MS)
Chlorate	mg/kg	0.047	LC-MS Analysis of Chlorate and Perchlorate in Dairy Products
Perchlorate	mg/kg	<0.01	LC-MS Analysis of Chlorate and Perchlorate in Dairy Products
Aerobic Plate Count ¹	cfu/g	<10	GB 4789.2
Detection of Cronobacter spp ¹	/25g	Not Detected	ISO 22964
Bacillus cereus Count ¹	cfu/g	<10	ISO 7932
Coliforms Detection by LST-mug ¹	/1g	Not Detected	ISO 11866-1 (modified)
Escherichia coli Detection ¹	/1g	Not Detected	ISO 11866-1 (modified)
Staphylococci aureus Detection ¹	/25g	Not Detected	GB 4789.10 Method 1
Yeasts and Moulds Count ¹	cfu/g	<1	ISO 6611
Listeria monocytogenes Detection ¹	/25g	Not Detected	ISO 11290
Salmonella ¹	/25g	Not Detected	ISO 6579-1 / Amendment 1
Inhibitory Substances ¹	IU/mL	<0.0025	IDF 57 (modified)

* Monitoring results ¹ Subcontracted Test ² Unaccredited Test

The product supplied against this Certificate is manufactured from New Zealand milk but may include imported ingredients. The finished product is manufactured in premises registered under statutory requirements by New Zealand's Ministry for Primary Industries (MPI). All premises are subjected to regular audit to ensure compliance with conditions of registration.

Samples have been examined and subjected to analysis at ISO 17025 accredited laboratories using internationally recognised procedures. Test results are relevant to samples as received.

I hereby declare that this is a true, complete and accurate copy of this record.

Prepared by:

Title: Export Documentation Officer

Date: 12 August 2024

Released by:

Title: Market Access Officer

Date: 12 August 2024