

CERTIFICATE OF ANALYSIS

 Product Description: Colostrum Powder
 Customer: GMP Pharmaceuticals Ltd

 Buyer Order No. SORD38407

 Factory: 143
 Specification: 6111
 Batch/Cypher: AZ27
 Manufacture Date: 27 August 2015
 Expiry Date: 26 August 2017
 Unit Range: PA050118-PA050123

Parameter	Unit of Measure	Mean Result	Test Method
Protein (6.38 x N) as is	% m/m	61.10	GB 5009.5
Fat	% m/m	0.80	GB 5413.3
Moisture	% m/m	3.70	GB 5009.3
Titrateable Acidity	% m/v	0.160	APHA Chapter 15.023 17th Edition (mod)
Insolubility Index 24°C	ml	0.17	ISO 8156 / IDF 129
Lactose	% m/m	33.5	Calculation
Minerals	% m/m	6.70	ISO21543 / IDF 201 (mod)
Bulk Density	Kg/L	0.44	GEA Niro Method No. A 2 a
IgG	%	19.16	WMP In house (HPLC)
Foreign Matter		Absent	AS 2300.4.5 (mod)
Scorched Particles	/25g	A	AS 2300.4.5 (mod)
Flavour		Typical	WMP in house
Melamine ^{1,2}	mg/kg	Not Detected	LC-MS/MS
Nitrates	mg/kg	9	GB 5009.33
Nitrites	mg/kg	4.2	GB 5009.33
Aerobic Plate Count at 30°C	cfu/g	400	GB 4789.2
Escherichia coli; Detection using LST-MUG	/g	Not Detected	ISO 11866-1 / IDF 170-1 (E) (Modified)
Coliforms; Detection using LST-MUG	/g	Not Detected	ISO 11866-1 / IDF 170-1 (E) (Modified)
Yeast and Moulds; Count	cfu/g	<10	GB 4789.15
Coagulase-positive Staphylococci; Detection	/g	Not Detected	ISO 6888-3 (E) (mod)
Salmonella ¹	/750g	Not Detected	GB4789.4

¹ Tests are subcontracted

² Tested Periodically

The product supplied against this Certificate is manufactured from New Zealand origin milk. The finished product is manufactured and tested in premises registered under statutory requirements by MPI Food Safety. All premises are subjected to regular audit to ensure compliance with the terms of and conditions of registration.

Samples have been examined and subjected to laboratory analysis using internationally recognised procedures. Copies of test methods and sampling plans are available on request.

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

 Prepared by: Lynda McAuliffe
 Title: Laboratory Administration

 Released by: Shane Reeves
 Title: Laboratory Manager




Date: 28 January 2016

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