

CERTIFICATE OF ANALYSIS

Product Description: Whey Protein Concentrate - Instantised
 Customer: Simin Faravar Company

Buyer Order No. JM 20/08-H

Factory: 143
 Specification: 4554
 Cypher: DA13
 Manufacture Date: 13 November 2016
 Expiry Date: 13 November 2018
 Unit Range: CA025715-CA025722

Parameter	Unit of Measure	Mean Result	Test Method
Protein (6.38 x N) as is	% m/m	81.0	ISO 21543 / IDF 201
Fat	% m/m	5.28	ISO 21543 / IDF 201
Moisture	% m/m	4.5	ISO 21543 / IDF 201
Ash	% m/m	3.2	ISO 21543 / IDF 201 (modified)
pH	5%	6.58	ISO 21543 / IDF 201 (modified)
Bulk Density	kg/L	0.37	Westland Milk Products In-house
Foreign Matter		Absent	AS 2300.4.5 (modified)
Scorched Particles	/25g	A	AS 2300.4.5 (modified)
Flavour		Typical	Westland Milk Products In-house
Nitrates	mg/kg	3	ISO 14673-3 / IDF 189-3 (modified)
Nitrites	mg/kg	<0.1	ISO 14673-3 / IDF 189-3 (modified)
Melamine ^{1,2}	mg/kg	Not Detected	LC-MS/MS
Aerobic Plate Count at 30°C	cfu/g	330	ISO 4833-1 (E) (modified)
Escherichia coli; Detection using LST-MUG	ND/D	Not Detected	ISO 11866-1 / IDF 170-1 (E) (modified)
Coliforms; Detection using LST-MUG	ND/D	Not Detected	ISO 11866-1 / IDF 170-1 (E) (modified)
Coagulase Positive Staphylococci; Detection	ND/D	Not Detected	ISO 6888-3 (E) (modified)
Thermophilic Bacteria Count	cfu/g	30	APHA 17th Edition Chapter 8.040
Yeast and Moulds; Count	cfu/g	<10	ISO 6611
Listeria Monocytogenes; Detection at 37°C ¹	/25g	Not Detected	ISO 11290-1 (Amendment 1)
Salmonella ¹	/750g	Not Detected	FDA BAM 5
Inhibitory Substances	ND/D	Not Detected	FDA BAM 20A (modified)

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 New Zealand's Ministry for Primary Industries (MPI). All premises are subjected to regular audit to ensure compliance with the terms 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: 3 February 2017

Date: 3 February 2017