



Certificate of Analysis

Product Description:

europro
instantwhey (450)

Factory: Aspatria
Batch / Cypher: AS4295
Manufacture Date: 22 October 2014
Best Before Date: 21.04.2016

Parameter	Units of Measure	Test Method	Limits	Mean Result
Protein (6.38 x N) as is *	% m/m	Kjeldahl	NA	78.02
Protein Dry Basis	% m/m	Calculation	Min 81.0%	82.04
Fat	% m/m	NIR	Max 9.0%	7.01
Moisture	% m/m	NIR	Max 5.5%	4.90
Ash *	% m/m	TGA 600	Max 4.0%	3.20
pH *	pH units	5% TS 20°C	6.5 -7.2	7.09
Lactose Monohydrate *	% m/m	Phenol Sulphuric	Max 12%	5.00
Nitrates	mg/kg	ISO 14637-1/IDF1891:2004	Max 50	1.00
Nitrites	mg/kg	ISO 14637-1/IDF1891:2004	Max 5	<0.2
Bulk Density	g/ml	IDF 134:2005	NA	0.33
Scorched Particles	/50g	ADMI 1990	B	A
Foreign Matter	/50g	ADMI 1990	Absent	0
Sensory		Sensory Evaluation	Typical	Typical
Aerobic Plate Count *	cfu/g	ISO 4833	Max 30,000	14,000
Enterobacteriaceae *	cfu/g	Count IDF73B	Max 10	<1
Escherichia coli *	/g	Detection IDF170A/LST-MUG	Not Detected (ND)	ND
Yeasts & Moulds *	cfu/g	IDF 94B	Max 50	<40
Coag Positive Staphylococci *	/g	Detection IDF60C	Not Detected (ND)	ND
Salmonella *	/750g	Detection FDA-BAM	Absent	ND
Listeria *	/125g	Detection ISO 11290	Absent	ND

Fonterra hereby certifies that the product supplied against this certificate was manufactured by Fast Forward FFW Limited in Cumbria, England and samples have been examined and subjected to laboratory analysis. Such products are manufactured from Farmer assured sources and tested in premises registered under statutory requirements by EC Regulation 853 / 2004. All premises are subject to regular audit to ensure compliance with the terms of, and conditions, of registration.

* External Testing UKAS 0342

Signatory: Sheryl Curran
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Company: Fonterra Europe Coöperatie U.A.
Date: 10 November 2014