



90% De-mineralised Whey Powder

TYPICAL PRODUCT SPECIFICATION

DFI DWP 001
Version: Sep 11

Product Name 90% De-mineralised Whey Powder.

Product Description A de-mineralised whey powder derived from fresh, pasteurised cheese and casein whey, using ion-exchange and electro dialysis technologies.

Physical & Organoleptic
Appearance: Free flowing, homogenous powder.
Colour: Off-white/Creamy.
Odour/Taste: Bland/Clean.

Packaging 25 Kg paper sacks with polyethylene liner, heat sealed and stitched or 1000kg bulk bags.

Shelf Life 24 months in dry, ambient conditions.

Chemical Analysis

Parameter	Target	Limit	Test Method
Protein %	12.5	11.5 minimum	ISO 8968-3:2004
Moisture %	2.0	3.0 maximum	ISO 5550:2006
Fat %	1.0	1.5 maximum	ISO 5543:2004 ISO 1736:2008 ISO 1211:1999
Lactose %	83.0		Calculated
ASH %	1.0	1.2 maximum	ISO 5545:2008
Scorched Particles	Disc A	Disc A/B	ADPI
pH (10% at 20°C)	6.6	6.5-7.0	BS 770:1976
Solubility Index/ml	0.1	0.5	In house method
Heat Stability (100°C 5 mins 10% soln)	No Coagulation	No Coagulation	In house method
Sodium ppm	800	<1,000	Atomic Absorption
Potassium ppm	2,500	2,000-3,000	Atomic Absorption
Calcium ppm	600	<900	Atomic Absorption
Magnesium ppm	200	<350	Atomic Absorption
Phosphorus ppm	1,200	800-1,750	Atomic Absorption
Chloride ppm	280	<500	Atomic Absorption
Nitrate ppm		<20	Merck Strip
Nitrite ppm		<0.1	Merck Strip

Microbiological Analysis

Parameter	Target	Limit	Test Method
TBC/g @ 30°C for 72 hours	<1,000	<10,000	ISO 4833:2003
Enterobacteriaceae/g	Negative	Negative	ISO 21528 PART 2 2004
Coliform/g	Negative	Negative	ISO 4832:2006
E.Coli/g	Negative	Negative	ISO 7251:2005
Staph Aureus	Negative	Negative	ISO 6888-1:1999
Yeast & Moulds/g	<10	<50	ISO 6611:2004
Bacillus Cereus/g	<10	<50	ISO 7932:2004
Sulphite Reducing Clostridia/g	<10	<50	ISO 15213:2003
Salmonella/100g	Negative	Negative	ISO 6579:1993
E. Sakazakii (Cronobacter Spp)/100g	Negative	Negative	ISO 22964:2006



It is the responsibility of buyer/agent to support this specification and communicate to Dairygold Food Ingredients any requirements of local relevant legislation.

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