



Spray Dried 28% Instant Full Cream Milk Powder

TYPICAL PRODUCT SPECIFICATION

DFI FCM281 001
Version: Sep 11

Product Name Spray dried 28% instant full cream milk powder.
(optional fortification with minimum vitamin A 1500 iu/100g, vitamin D3 300 iu/100g - or to customer requirements)

Product Description Spray Dried product derived from whole milk by removal of water and addition of 0.2% lecithin.

Physical & Organoleptic
Appearance: Free from lumps.
Colour: White to slightly creamy.
Odour/Taste: Bland/Free from off flavours, pleasant milk like taste.

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

Shelf Life 12 months from manufacture date.

Chemical Analysis

Parameter	Specification	Test Method
Protein % MSNF	34 minimum	ISO 8968-3:2004
Moisture %	3.0 maximum	ISO 5550:2006
Milk Fat %	28 minimum	ISO 5543:2004 ISO 1736:2008 ISO 1211:1999
Titratable Acidity %	0.15 maximum	ADPI
Solubility Index/ml	0.5	In house method
Scorched Particles	Disc B maximum	ADPI
pH (10% at 20°C)	6.6-6.8	BS 770:1976
Antibiotics	Negative	Delvo
Bulk Density	175-200 typical m/s/100g	ISO 8967:2005
Wettability at 25°C	30 seconds maximum	IDF 87:1979 (annex B)
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	<5,000	<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/g	Negative	Negative	ISO 6888-1:1999
Yeast & Moulds/g		<50	ISO 6611:2004
Salmonella/100g	Negative	Negative	ISO 6579:1993



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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