

Instant Fortified Whole Milk Powder

PRODUCT SPECIFICATION

WMP201a
Instant Fortified Whole Milk Powder,
VitA 2800 VitD 400
ifWMP28_A2800/D400

General description

Free-flowing, medium heat Instant Fortified Whole Milk Powder (iWMP) produced from pasteurised fresh milk to which no preservative, alkali neutralising or other chemical has been added. Fortified with Vitamin A and Vitamin D3 to 2800IU/100g and 400IU/100g, respectively. Standardised using lactose to a protein content of minimum 34% on an SNF basis or 24% as is. Does not contain permeate. Instantised by agglomeration and lecithination.



Ingredients

This product contains the following ingredients, listed in order of content (largest first):

- Cow's milk
- Lactose
- Soy Lecithin
- Vitamin A (Retinyl acetate)
- Vitamin D (Cholecalciferol)

International Standards Compliance

This ingredient meets the requirements of:

- China GB standard: 19644-2010
- Codex standard 207-1999
- Halal and Kosher Certified

Allergen information

Contains the following allergens: Milk, Soy.

Packaging Information

Packed in tamper evident, strippable barrier bags (multi walled kraft paper bag with barrier polyethylene/nylon/EVOH liner). Outer bags are glued closed for tamper evidence. Inner bags are heat sealed. No staples or metal fasteners are used.

Bags are palletised on slipsheets 2200x1160mm, protected by a topsheet and full shrink wrapping. Available on 2200x1160mm pallets on request.

Storage and Shelf Life

Shelf life is 2 years from the date of manufacture when stored in sealed original packaging.

Bag Coding

Bag Coding Bags are coded with factory registration number, lot number (line, cypher), unit number, date of manufacture (DD MM YYYY) and expiry date 720 days (DD MM YYYY).

Recommended storage is below 25°C and 65%RH, out of direct sunlight and away from strong smelling ingredients. Storage at higher temperatures and humidity may adversely affect shelf-life.

General Chemical & Physical Properties

Parameter	Units*	Min.	Max.
Protein / SNF [§]	%	34.0	-
Fat	%	28	-
Moisture	%	-	4.0
Ash	%	-	-
Vitamin A	IU/100g	2250	4300
Vitamin D3	IU/100g	320	600
Foreign Matter	/32.5g	-	Absent
Scorched Particles	/32.5g	-	Disc A or 7.5mg
Solubility Index	mL	-	1.00
Titrateable Acidity (as lactic acid)	%	-	0.15
Impurities	mg/g	-	<16.0
Bulk density (tapped)	g/ml	0.50	0.46 - 0.54
Wettability @20°C	s	-	<40
Wettability @40°C	s	-	<20
Free fat	%	-	<1.75

Microbiological Specification

Parameter	Units*	Max.
Aerobic Plate Count (35°C)	cfu/g	10000
Coliforms	cfu/g	1
Yeasts and Moulds	cfu/g	50
Salmonella	cfu/125g	Not detected
<i>Listeria monocytogenes</i>	cfu/125g	Not detected
<i>S. aureus</i>	cfu/g	10
<i>E.coli</i>	cfu/g	Not detected
<i>B.cereus</i>	cfu/g	100

Contaminants Specification

Parameter	Units*	Min.	Max.
Radioactivity	-	-	Not detected
Nitrate	mg/kg	-	100
Nitrite	mg/kg	-	2.0
Veterinary drugs	-	-	As per MRLs
Pesticide residues	-	-	As per MRLs
Aflatoxin M1	µg/kg	-	0.5
Lead (Pb)	mg/kg	-	0.16
Arsenic (As)	mg/kg	-	0.5
Chromium (Cr)	mg/kg	-	2.0

[§]SNF = milk solids non-fat = 100% - fat% - moisture%

*Unless otherwise stated, all percentages used in this document are mass/mass.