

# Milk-Based Infant Formula



## INGREDIENTS

	Usage Levels (%)
<b>Lactose</b>	<b>38.3</b>
<b>Skimmed milk powder</b>	<b>34.0</b>
Fat blend	27.0
Lecithin	0.5
Vitamin/mineral premix*	0.2
Water	as needed
<b>Total</b>	<b>100.00</b>


\*As per manufacturer's usage levels/NLEA requirements.

## NUTRITIONAL CONTENT

Per 100g	
<b>Calories</b>	560kcal
<b>Total Fat</b>	38g
Saturated Fat	5g
Trans Fat	0g
Cholesterol	0mg
<b>Total Carbohydrates</b>	56g
Dietary Fiber	0g
Sugars	56g
<b>Protein</b>	2g
Calcium	113mg
Magnesium	21mg
Phosphorus	1mg
Potassium	5mg
Sodium	35mg
Iron	2mg
Vitamin A	416IU
Vitamin C	5mg

## PREPARATION

- Calculate formula based on batch size. Add skimmed milk powder and lactose to water. The quantity of water should be that required to produce a concentrated liquid that is flowable.**
- Heat solution to approximately 60°C (140°F) and mix in lecithin, fat blend, and vitamin/mineral premix.**
- Continue heating to pasteurize. Homogenize in a two-stage system using pressures of 141 kgf/cm<sup>2</sup> (2005 lb/inch<sup>2</sup>) in the first stage and 35 kgf/cm<sup>2</sup> (500 lb/inch<sup>2</sup>) in the second stage.**
- Spray-dry and agglomerate for easier reconstitution.**
- To reconstitute, blend 10% dry formula and 90% potable water by weight.**
- Heat to pasteurize and cool to feeding temperature.**

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This formula serves as a reference. Product developers are encouraged to modify the formula to meet manufacturing and finished product specification needs. ©2014 U.S. Dairy Export Council.