



## Instant Nonfat Dry Milk (INDM)

### Production Definition:

Instant Nonfat Dry Milk is obtained by the removal of water from pasteurized skim milk followed by instantizing or agglomeration to promote greater dispersibility. It contains not more than 5% moisture (by weight) and not more than 1.5% milkfat (by weight) unless otherwise indicated. Instant Nonfat Dry Milk for human consumption complies with all provisions of the U.S. Federal Food, Drug, and Cosmetic Act.

### Typical Compositional Range (Percentage)<sup>1</sup>

Protein .....	34.0 – 37.0
Lactose.....	49.5 – 52.0
Fat <sup>2</sup> .....	0.6 – 1.25
Ash.....	8.2 – 8.6
Moisture <sup>2</sup> .....	3.0 – 4.0

### Microbiological Analysis

Standard Plate Counts <sup>2</sup> .....	<10,000/g
Coliform <sup>2</sup> .....	<10/g
Salmonella.....	negative
Listeria.....	negative
Coagulase-positive	
Staphylococci.....	negative

### Other Characteristics

Scorched Particle Content <sup>2</sup> .....	7.5 – 15.0 mg
Solubility Index <sup>2</sup> .....	<1.2 ml
Titratable Acidity <sup>2</sup> .....	< 0.15%
Color <sup>2</sup> .....	White to light cream/natural color
Flavor <sup>2</sup> .....	Clean and pleasing

### Ingredient Statement

“Instant Nonfat Dry Milk” ( \_\_\_\_\_ % milkfat) if the fat content is over 1.5%

### Production Applications and Functionality

Fluid milk fortification, cottage cheese, cultured skim milk, starter culture, chocolate dairy drinks, ice cream

### Storage & Shipping

Product should be stored and shipped in a cool, dry environment with temperatures below 80°F and relative humidity below 65%. Stocks should be rotated and utilized within 1 to 1.5 years

### Packaging

Multiwall kraft bags with polyethylene inner liner or other approved closed container. (i.e. “tote bins,” etc)

1 On an “as is” basis

2 Optional tests (7 CFR §58.2608)

\*The information contained herein is, to the best of our knowledge, correct. No warranties, expressed or implied, are made. This information is offered solely for your investigation, verification, and consideration. It is suggested that you evaluate the product prior to use in production.\*