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NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

GB 5413.39-2010

**National Food Safety Standard - Determination of
Nonfat Total Milk Solids in Milk and Milk Products**

食品安全国家标准 乳和乳制品中非脂乳固体的测定

Issued on: March 26, 2010

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Issued by: Ministry of Health of the People's Republic of China

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National Food Safety Standard - Determination of Nonfat Total Milk Solids in Milk and Milk Products

1 Scope

This Standard specifies the determination of nonfat milk solids in raw milk, pasteurized milk, sterilized milk, prepared milk and fermented milk.

This Standard is applicable to the determination of nonfat milk solids in raw milk, pasteurized milk, sterilized milk, prepared milk and fermented milk.

2 Normative References

The following documents are essential to the application of this Standard. For the dated documents, only the versions with the dates indicated are applicable to this Standard; for the undated documents, only the latest version (including all the amendments) are applicable to this Standard.

3 Principle

Firstly, separately determine the total solid content and fat content (if adding the non-dairy ingredients such as saccharose, it shall also be deducted) in the milk and milk products. Secondly, the total solids are subtracted from the non-dairy ingredients such as fat and saccharose; that is, the nonfat milk solid.

4 Reagents and Materials

Unless otherwise specified, the used reagents in this method are analytical reagents; while the used water is Class-III water specified in GB/T 6682.

4.1 Flat-bottomed box: 20mm~25mm-height, 50mm~70mm-diameter stainless steel or aluminum box with a stopper, or glass weighing bottle.

4.2 Short glass rod: suitable for the diameter of the above box, can be placed obliquely in the box without affecting the lid.

4.3 Quartz sand or sea-sand: it can pass through a sieve with a pore size of 500μm,

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