



GB 29202-2012

National Food Safety Standard Food Additive Nitrogen

食品安全国家标准 食品添加剂 氮气

Ministry of Health of the People's Republic
of China

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Translated by ChemLinked

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National Standard of the People's Republic of China

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食品添加剂 氮气

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National Food Safety Standard

Food Additive Nitrogen

1. Scope

This standard applies to the food additive nitrogen produced by deep cooling air separation, pressure swing adsorption, membrane separation and small special nitrogen generators.

2. Molecular Formula and Relative Molecular Mass

2.1 Molecular formula

N₂

2.2 Relative molecular mass

28.01 (according to the international relative atomic mass in 2007)

3. Technical Requirements

3.1 Sensory requirements

Sensory requirements shall comply with provisions of Table 1.

Table 1 Sensory requirements

Items	Requirements	Test methods	
		Gaseous nitrogen	Liquid nitrogen
Color	The gas is colorless	Use a transparent colorless hose to connect the relief outlet of gas cylinder, open and close the valve in a short time, and visually inspect the color in the pipeline under natural light	Convert into gaseous form and conduct visual inspection

3.2 Physicochemical indicators

Physicochemical indicators shall comply with provisions of Table 2.



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