



GB 1903.70-2024

National Food Safety Standard

Food Nutritional Enhancer Electrolytic Iron

食品安全国家标准 食品营养强化剂 电解铁

National Health Commission of the People's
Republic of China
State Administration for Market Regulation

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1 Scope

This standard applies to electrolytic iron, a food nutrition enhancer produced by electrolysis using pure iron as raw material.

2 Chemical name, molecular formula and relative molecular mass

2.1 Chemical name

Electrolytic Iron

2.2 Molecular formula

Fe

2.3 Relative molecular mass

55.85 (according to the 2018 International Relative Atomic Mass)

3 Technical requirements

3.1 Sensory requirements

Sensory requirements shall comply with the requirements of Table 1.

Table 1 Sensory requirements

Item	Requirement	Testing method
Color	Dull gray-black	Take an appropriate amount of sample, place it in a clean, dry white porcelain dish, and observe its color and state under natural light.
State	Powder	

3.2 Physical and chemical indicators

The physical and chemical indicators should comply with the requirements of Table 2.

Table 2 Physical and chemical indicators

Item	Index	Testing method
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