



GB 1903.64-2023

National Food Safety Standard Nutritional Fortification Substance Manganese Chloride

食品安全国家标准 食品营养强化剂 氯化锰

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

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National Food Safety Standard

Nutritional Fortification Substance Manganese Chloride

1. Scope

This standard applies to the food nutritional fortification substance manganese chloride produced by reacting electrolytic manganese or manganese carbonate with hydrochloric acid and then purified.

2. Chemical Name, Molecular Formula and Relative Molecular Mass

2.1 Chemical name

Manganese chloride tetrahydrate

2.2 Molecular formula

$\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$

2.3 Relative molecular mass

197.90 (according to the International Relative Atomic Mass in 2018)

3. Technical Requirements

3.1 Sensory requirements

Sensory requirements shall comply with the provisions in Table 1.

Table 1 Sensory requirements

Item	Requirement	Testing method
Color	Pink to rose red	Take an appropriate amount of sample and place it evenly in a clean, dry white porcelain plate or transparent beaker, and observe its color and state under natural light.
State	Translucent irregular crystal	



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