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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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National food safety standard -- Food nutrition enhancer

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1 Scope

This standard applies to citric acid, ferrous sulfate, hydrogen peroxide or citric acid, ferric hydroxide as the main raw materials, obtained by chemical synthesis and refining Food nutrition enhancer ferric citrate.

2.1 Chemical name

Trivalent iron salt of 2-hydroxy-1,2,3-propanetricarboxylic acid

2.2 Molecular formula

$C_6H_5O_7Fe \cdot nH_2O$ ($n=0\sim5$)

2.3 Relative molecular mass

244.94 (anhydrous) (according to 2016 international relative atomic mass)

3.1 Sensory requirements

Sensory requirements should meet the requirements of Table 1.

Table 1 Sensory requirements

Project requirements inspection method Reddish brown or brown color State flake crystal or crystalline powder Odorless, no peculiar smell Take an appropriate amount of sample and place it in a white clean, dry container, in natural light Observe its color and state, smell its smell

3.2 Physical and chemical indicators

Should meet the requirements of Table 2.

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