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

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**National food safety standard -- Food nutrition enhancer
choline chloride**

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1 Scope

This standard applies to trimethylamine hydrochloride (or trimethylamine and hydrochloric acid to form trimethylamine hydrochloride) and ethylene oxide reaction, and then concentrated, Refined and dried food nutrition enhancer choline chloride.

2.1 Chemical Name

2-hydroxyethyltrimethyl chloride

2.2 Structural formula

CH₃ CH₃ HOCH₂CH₂ CH₃ Cl-

2.3 Formula

C₅H₁₄ClNO

2.4 Relative molecular mass

139.62 (according to 2016 international relative atomic mass)

3.1 Sensory requirements

Sensory requirements should be in accordance with Table 1.

Table 1 Sensory requirements

Project requirements inspection method Colorless or white State crystal or crystalline powder Place an appropriate amount of sample in a clean, dry white porcelain dish under

natural light.

Observe its color and state

3.2 Physical and chemical indicators

Physical and chemical indicators should meet the requirements of Table 2.

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