



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

GB 1886.25-2016

Replacing GB 6782-2009

Food additive -- Sodium citrate

食品安全国家标准 食品添加剂 柠檬酸钠

(English Translation)

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1 Scope

This standard applies to sucrose and propylene oxide as raw materials, processed food additive prepared polypropylene ether of sucrose.

2 The chemical name, structural formula and relative molecular mass

2.1 Chemical Name

Polypropylene ether of sucrose

2.2 Formula

R [(C₃H₆O) nH] 8

Wherein. R is sucrose group; polymerization degree of propylene oxide n is 6 to 15.

2.3 Relative molecular mass

4200 - 5600 (according to 2011 international relative atomic mass)

3.1 Sensory requirements

Sensory requirements shall comply with the requirements of Table 1.

Table 1 Sensory requirements

Project requires test methods Color light yellow to brown State transparent oily liquid Take appropriate sample is placed in a clean, dry colorimetric tube, self Under natural light, observe its color and status

3.2 Physical and Chemical Indicators

Physical and chemical indicators should be consistent with the provisions of Table 2.

Table 2. Physical and chemical indicators

Item Index Test Method Density (20 °C) / (g/cm³) ≥ 1.025 GB/T 4472 Cloud point/°C 24 ~ 32 GB/T 5559-2010 Method A GB 1886.259-2016 TABLE 2 (cont.) Item Index Test Method pH 7.0 ~ 8.5 GB/T 6368 Hydroxyl value (KOH meter)/(mg/g) 100 ~ 160 GB/T 7383 Lead (Pb)/(mg/kg) ≤ 2.0 GB 5009.12