

CCS X 40



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

GB 1886.297-2018

**National food safety standard -- Food additive --
Polyoxypropylene glyceryl ether**

Issued on: June 21, 2018

Implemented on: December 21, 2018

**Issued by: National Health Commission of the People's Republic of
China, State Administration for Market Regulation**

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1 Scope

This standard is applicable to food additive polyoxypropylene glyceryl ether which is polymerized, neutralized and refined by using propylene oxide and glycerol as raw materials.

2 structural formula

N1, n2, n3. degree of polymerization of propylene oxide, $n_1 n_2 n_3 > 16$.

3.1 Sensory requirements

Sensory requirements should be in accordance with Table 1.

Table 1 Sensory requirements

Project requirements inspection method Colorless or yellowish State transparent liquid Take an appropriate amount of sample in a clean, dry cuvette and observe under natural light.

Its color and state

3.2 Physical and chemical indicators

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

Table 2 Physical and chemical indicators

Project indicator test method Moisture, w/% ≤ 0.5 GB 5009.3 Karl Fischer method Hydroxyl value (in KOH)/(mg/g) ≤ 88 GB/T 7383 phthalic anhydride method Propylene oxide/(mg/kg) ≤ 5 A.3 in Appendix A

Note. The possibility of heavy metal pollution should be minimized in the raw materials and processes of the product.