

ICS 71.080.15
CCS G 17

SH

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

SH/T 1745-2025

Replacing SH/T 1745-2004

**Determination of Purity and Impurities of Industrial Cumene -
Gas chromatography
(English Translation)**

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What this standard covers

This standard specifies a method for determining the purity and impurity content of industrial cumene using gas chromatography. This standard is applicable to the determination of the purity and impurities of industrial cumene with a purity of not less than 99% (mass fraction). Impurities mainly include non-aromatic hydrocarbons, benzene, toluene, ethylbenzene, n-propylbenzene, tert-butylbenzene, ??-methylstyrene, sec-butylbenzene, diisopropylbenzene, and phenol, etc. The detection limit for phenol impurities is 0.0002% (mass fraction), and the detection limit for other impurities is 0.0005% (mass fraction).

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