

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

SH/T 1497-2022

**Determination of purity and impurities of industrial tert-butanol
- Gas chromatography**

工业用叔丁醇纯度及杂质的测定气相色谱法
(English Translation)

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What this standard covers

This standard specifies the determination of the purity and impurity content of industrial tert-butanol by gas chromatography. This standard applies to the determination of industrial tert-butanol produced by isobutene hydration and isobutane co-oxidation processes. When using thermal conductivity detector (TCD) to measure TBA-85, the minimum determination content of its impurity is 0.01% (mass fraction), when using hydrogen flame ionization detector (FID) to measure TBA-85, TBA-95, TBA -99, the minimum assay content of impurities is 0.001% (mass fraction).

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