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CCS G 17

SH

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

SH/T 1492-2020

Replacing SH/T 1492-2004; SH/T 1548-2004

**1-Butene for industrial use. Determination of Purity and
hydrocarbon impurities Gas chromatographic method**

工业用1-丁烯纯度及烃类杂质的测定 气相色谱法

(English Translation)

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What this standard covers

This standard specifies the use of gas chromatography to determine the purity of 1-butene for industrial use and the content of hydrocarbon impurities. This standard applies to the purity not less than 99.00% (mass fraction), and the content of hydrocarbon impurities such as propane, propylene, isobutane, n-butane, acetylene, trans-2-butene, isobutene, cis-2-butene, etc. is not less than 0.001% (mass fraction), propadiene, propyne content not less than 2mL/³, 1,3-butadiene content not less than 10 mL/resistant or 0.001% (mass fraction) for industrial 1-butene test Sample determination. Since this standard cannot determine all possible impurities such as oxygenated compounds, isobutylene dimer, water, etc., other test methods need to be applied to fully characterize 1-butene samples.

Document data

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Standards quoted by this document

GB/T 3723; GB/T 6023; GB/T 8170; SH/T 1142; SH/T 1483; SH/T 1493; SH/T 1494