

ICS 71.080.15
CCS G16

SH

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

SH/T 1853-2026

**Petroleum benzene - Determination of trace thiophene - Gas
chromatography and sulfur selective detection**

石油苯中微量噻吩的测定 气相色谱-硫选择性检测器法

(English Translation)

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Foreword

SH/T 1853-2026 is a recommended industry standard of the People's Republic of China in the Petrochemical sector, approved and issued by the Ministry of Industry and Information Technology on 16 April 2026, with effect from 1 November 2026.

Classification: ICS 71.080.15; CCS G16.

1 Scope

SH/T 1853-2026 specifies a method for determining trace thiophene in petroleum benzene. The analysis is carried out by gas chromatography with a sulfur selective detector, which responds to sulfur compounds and so allows thiophene to be measured even when it is present only in very small amounts alongside the benzene.

The standard is meant for benzene producers and refineries, for buyers of petroleum benzene, and for analytical and quality control laboratories. It is a voluntary standard, as shown by the /T in its code. It was approved by the Ministry of Industry and Information Technology, issued on 16 April 2026 and takes effect on 1 November 2026. It is a new standard.