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Liquid petroleum products—Testing method of components Part 3 : Determination of aromatic components by gas chromatography

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from Petroleum Association of Japan (PAJ), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

JIS K 2536 consists of the following 6 parts under the general title *Liquid petroleum products—Testing method of components*:

Part 1 : Fluorescent indicator adsorption method
Part 2 : Determination of total components by gas chromatography
Part 3 : Determination of aromatic components by gas chromatography
Part 4 : Determination of components by tandem type gas chromatography
Part 5 : Determination of oxygenate compounds by gas chromatography
Part 6 : Determination of oxygen content and oxygenate compounds by gas chromatography and oxygen selective detection.

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Liquid petroleum products— Testing method of components Part 3 : Determination of aromatic components by gas chromatography

1 Scope This part of **JIS K 2536** specifies the determination method of benzene, toluene, xylene and aromatic components in the liquid petroleum products of which the end point is not more than 220 °C by atmospheric pressure distillation test method specified in **JIS K 2254** according to gas chromatography.

Remarks 1 The range of determination according to this Standard is not less than 0.1 mass % (volume %) for benzene, toluene, xylene and aromatic components respectively.

2 Methanol, methyl-tert-butyl ether (hereafter referred to as "MTBE") and kerosene content may be measured in addition to aromatic hydrocarbon by using TCEP column in this Standard according to the test conditions in table 3.

3 When a doubt arises about the test results of benzene, toluene, xylene, aromatic components, methanol, MTBE and kerosene content obtained according to this Standard, the test shall be carried out according to **JIS K 2536-2**.

4 The use of this Standard may involve hazardous reagents, operations and equipment. This Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to test.

Information : The test methods specified in respective parts of **JIS K 2536** are shown in informative table 1.

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