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(JCIA/JSA)

Test methods for density and relative density of chemical products

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Chemical Industry Association (JCIA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS K 0061** : 2001), which has been technically revised.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, published patent application or utility model rights.

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Test methods for density and relative density of chemical products

Introduction

This Japanese Industrial Standard has been prepared based on ISO 758 : 1976, Edition 1. This Standard has incorporated the parts of ISO that corresponds to JIS, namely the specification of the Gay-Lussac pycnometer in 6.3 "Pycnometer method", with some changes in technical contents, and also added JIS's own test methods based on unique needs of the Japanese market, including the hydrometer method, the pycnometer methods using other pycnometers than the Gay-Lussac pycnometer, the vibration density meter method and the in-liquid weighing method (balance method) for liquid products, as well as the density and specific gravity measuring methosd for solid and gaseous products. In Clause 1, Clause 2, Clause 3, 6.3.1, 6.3.2, 6.3.4, 6.3.5, 6.3.6 and Clause 9, which contain requirements given in the corresponding International Standard, the vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JC.

1 Scope

This Standard specifies general methods for measuring the density and specific gravity of chemical products.

NOTE 1 For the purpose of this Standard, chemical products mean all products prepared through chemical reaction.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 758 : 1976 *Liquid chemical products for industrial use — Determination of density at 20 °C* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and JIS are IDT (identical), MOD (modified), and NEQ (not equivalent) according to ISO/IEC Guide 21-1.

WARNING Chemical products may be volatile, explosive or radioactive. It is the responsibility of anyone who conducts measurements in accordance with this Standard to establish appropriate safety, health and environmental practices with reference to Safety Data Sheet (SDS) or other documents.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (in-