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Hydrochloric acid (Reagent)

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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 Reagent Association (JRA)/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 8180** : 2015), which has been technically revised.

However, **JIS K 8180** : 2015 may be applied in the **JIS** mark certification based on the relevant provisions of Article 30, paragraph (1), etc. of the Industrial Standardization Act until 21 August 2021.

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Hydrochloric acid (Reagent)

HCl *FW* : 36.46

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 6353-2** : 1983, Edition 1, with some modifications of the technical contents.

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 JA.

1 Scope

This Standard specifies the requirements for hydrochloric acid intended for use as a reagent.

WARNING 1 Hydrochloric acid is a deleterious substance. Its contact with eyes, mucous membrane or skin should be prevented with utmost care. It generates harmful gases. Pay attention to the exhaust ventilation.

WARNING 2 Persons carrying out tests based on this Standard should be familiar with normal laboratory practice. This Standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this Standard to establish appropriate safety and health practices, by reference to SDS (safety data sheets), etc.

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

ISO 6353-2 : 1983 *Reagents for chemical analysis — Part 2 : Specifications — First series R 13 Hydrochloric acid* (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**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS K 0050 *General rules for chemical analysis*

JIS K 0071-1 *Test methods for colour of chemical products — Part 1 : Estimation of colour in Hazen units (platinum-cobalt colour scale)*