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(JRA/JSA)

**Hydrochloric acid (Reagent)**

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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 translation has been made based on the original Japanese Industrial Standard 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 the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS K 8180:2006** is replaced with this Standard.

However, **JIS K 8180:2006** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until September 19, 2015.

This **JIS** document is protected by the Copyright Law.

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

# Hydrochloric acid (Reagent)

HCl      FW: 36.46

## Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 6353-2** published in 1983 with some modifications of the technical contents.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

## 1 Scope

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

**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**.

**WARNING 1** Hydrochloric acid is a deleterious substance, and its contact with eyes, mucous membrane or skin should be prevented with utmost care.

**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 refer to documents such as SDS (Safety Data Sheet) and MSDS (Material Safety Data Sheet: **JIS Z 7250**:2010 was withdrawn in 2012 and replaced with **JIS Z 7253**, but will remain applicable until the end of 2016) to establish appropriate safety and health practices.

## 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 0067 *Test methods for loss and residue of chemical products*

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

JIS K 0115 *General rules for molecular absorptiometric analysis*