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STANDARD

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**Water used for industrial water and
wastewater analysis**

ICS 71.040.40

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water storage, drainage

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently JIS K 0557:1993 is replaced with JIS K 0557:1998.

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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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Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Items in common	1
4 Classification and qualities	1
5 Testing methods	4
5.1 Electric conductivity	4
5.1.1 Test by continuous measuring method	4
5.1.2 Test by intermittent measuring method	4
5.2 Total organic carbon (TOC)	5
5.2.1 Test with TOC automatic measuring instrument	5
5.2.2 Test with TOC analyzer	5
5.3 Zinc	6
5.4 Silica	7
5.5 Chloride ion	7
5.6 Sulfate ion	7
6 Marking of results	8
Attached table 1 Normative references	9

Water used for industrial water and wastewater analysis

Introduction In order to prepare the standard of water used for analysis of industrial water and wastewater, this Japanese Industrial Standard has been established by revision of the standard which was established in 1993 on the water for chemical analysis. For the purpose of testing industrial water and wastewater, a lot of testing methods have been specified, but the fundamental properties are specified here, because the properties required when testing ordinary water are almost in common.

1 Scope This Japanese Industrial Standard specifies the classification, fundamental items, qualities, and testing methods of the water which is to be used for the analysis of industrial water and wastewater.

2 Normative references The standards, shown in Attached table 1, contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards indicated in the Attached Table 1 shall be applied.

3 Items in common The items applied in common shall be as follows.

- a) The items applicable in common for tests shall follow **JIS K 0050** and **JIS K 0101** unless otherwise provided.
- b) For the purpose of this Standard, the main terms used in this Standard shall be in conformity with **JIS K 0211**.

4 Classification and qualities Water is classified from **A1** to **A4**, and its qualities are as specified in Table 1. This table specifies only the typical items and qualities by which the quality of water is represented, and other items than these may be supplemented or selected depending on the test purpose and method (see Remarks 1).

Table 1 Classification and qualities

Items ⁽¹⁾	Classification and qualities			
	A1	A2	A3	A4
Electric conductivity mS/m (25 °C)	0.5 max.	0.1 max. ⁽²⁾ ⁽³⁾	0.1 max. ⁽²⁾	0.1 max. ⁽²⁾
Total organic carbon (TOC) mgC/l	1 max.	0.5 max.	0.2 max.	0.05 max.
Zinc µgZn/l	0.5 max.	0.5 max.	0.1 max.	0.1 max.
Silica µgSiO ₂ /l	—	50 max.	5.0 max.	2.5 max.
Chloride ion µgCl/l	10 max.	2 max.	1 max.	1 max.
Sulfate ion µgSO ₄ ²⁻ /l	10 max.	2 max.	1 max.	1 max.

Notes ⁽¹⁾ Depending on testing method, items may be chosen. When the testing