



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 8223 : 2021

(TENPES/JSA)

**Boiler feed water, boiler water and steam
quality**

ICS 27.060.30

Reference number : JIS B 8223 : 2021 (E)

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B 8223 : 2021

Date of Establishment: 1961-02-01

Date of Revision: 2021-09-21

Date of Public Notice in Official Gazette: 2021-09-21

Investigated by: Japanese Industrial Standards Committee
Standards Board for ISO area

JIS B 8223 : 2021, First English edition published in 2023-06

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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Printed in Japan

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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 Thermal and Nuclear Power Engineering Society (TENPES)/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 B 8223** : 2015), which has been technically revised.

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Boiler feed water, boiler water and steam quality

1 Scope

This Japanese Industrial Standard specifies the requirements for the quality of feed water, boiler water and steam of boilers for land use and boilers for marine steam use.

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 (including amendments) indicated below shall be applied.

JIS B 0126 *Glossary of terms for thermal power plants — Boilers and auxiliary equipment*

JIS B 0127 *Glossary of terms for thermal power plant — Steam turbines and auxiliary equipment of thermal and geothermal power plant*

JIS B 8224 *Boiler feed water and boiler water — Testing methods*

JIS K 0410-3-7 *Water quality — Sampling — Part 7 : Guidance on sampling of water and steam in boiler plants*

JIS K 0556 *Testing methods for determination of anions in highly purified water*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions, and those given in JIS B 0126, JIS B 0127, JIS B 8224, JIS K 0410-3-7 and JIS K 0556 apply.

3.1 Common terms

3.1.1

normal operating pressure

maximum pressure applicable in practical operation

3.1.2

water conditioning at normal operation

quality of water stabilized after the plant start and shift to the power operation (except the start-up and suspension)

3.1.3

evaporation rate of heating surface

evaporation amount per hour in the unit area of evaporation [kg/(m²·h)]

3.2 Terms for land boilers

3.2.1 Common terms for boiler for industrial plant and boiler for power plant