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Iron and steel — General rules for analytical methods

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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry based on the provision of Article 14, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act in response to a proposal for revision of Japanese Industrial Standard with a draft being attached, submitted by The Japan Iron and Steel Federation (JISF), an accredited standards development organization. This edition replaces the previous edition (JIS G 1201: 2014), which has been technically revised.

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Iron and steel — General rules for analytical methods

JIS G 1201: 2022

1 Scope

This Japanese Industrial Standard specifies the general rules for analytical methods of iron and steel to be applied to Japanese Industrial Standards (**JIS**) specifying determination methods and analytical methods of individual elements of iron and steel (hereafter referred to as standards of iron and steel analytical methods).

The term "iron", for the purpose of this Standard, refers to pig iron and cast iron, and the term "steel" refers to carbon steel, low alloy steel, high alloy steel (including stainless steel) or the like. Pure iron and soft iron are included in steel.

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.

Glossary of terms used in iron and steel (Products and quality)
$Steel\ and\ steel\ products-General\ technical\ delivery\ requirements$
Steel and iron — Sampling and preparation of samples for the determination of chemical composition
General rules for chemical analysis
Test methods for loss and residue of chemical products
General rules for methods of potentiometric, amperometric, coulo- metric, and Karl Fischer titrations
General rules for molecular absorptiometric analysis
General rules for atomic emission spectrometry
General rules for infrared spectrophotometric analysis
General rules for X-ray fluorescence analysis
General rules for atomic absorption spectrometry
Water used for industrial water and wastewater analysis
Piston pipettes
Glass apparatus for chemical analysis
Volumetric glassware
General rules for determination of oxygen in metallic materials
General rules for determination of carbon in metallic materials