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**Standard test method for heat analysis of
steel products**

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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 0320** : 2017), which has been technically revised.

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Standard test method for heat analysis of steel products

1 Scope

This Japanese Industrial Standard specifies the standard test methods for heat analysis for the determination of chemical components of steel products.

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 G 0404 *Steel and steel products — General technical delivery requirements*

JIS G 1201 *Iron and steel — General rules for analytical methods*

JIS G 1211-1 *Iron and steel — Determination of carbon content — Part 1 : Combustion gravimetric method*

JIS G 1211-2 *Iron and steel — Determination of carbon content — Part 2 : Gas volumetric method after combustion*

JIS G 1211-3 *Iron and steel — Determination of carbon — Part 3 : Infrared absorption method after combustion*

JIS G 1211-4 *Iron and steel — Determination of carbon content — Part 4 : Infrared absorption method after combustion in a furnace with preheating or peak separating*

JIS G 1211-5 *Iron and steel — Determination of carbon content — Part 5 : Determination of non-combined carbon*

JIS G 1212 *Iron and steel — Methods for determination of silicon content*

JIS G 1213 *Iron and steel — Methods for determination of manganese content*

JIS G 1214 *Iron and steel — Methods for determination of phosphorus content*

JIS G 1215-1 *Iron and steel — Determination of sulfur content — Part 1 : Gravimetric method after separation of iron*

JIS G 1215-2 *Iron and steel — Determination of sulfur content — Part 2 : Gravimetric method after chromatographic separation*

JIS G 1215-3 *Iron and steel — Determination of sulfur content — Part 3 : Methylene blue spectrophotometric method after separation of hydrosulfide*

JIS G 1215-4 *Iron and steel — Determination of sulfur — Part 4 : Infrared absorption method after combustion in an induction furnace*

JIS G 1216-1 *Iron and steel — Determination of nickel — Part 1 : Nickel dime-*