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Coke—Testing methods

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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 Center for Coal Utilization, Japan (CCUJ)/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 2151 : 1993** is replaced with this Standard.

This revision has been made based on **ISO 567 : 1995** *Coke—Determination of bulk density in a small container*, **ISO 616 : 1995** *Coke—Determination of shatter indices*, **ISO 728 : 1995** *Coke (nominal top size greater than 20 mm)—Size analysis by sieving*, **ISO 1014 : 1985** *Coke—Determination of true relative density, apparent relative density and porosity* and **ISO 2325 : 1986** *Coke—Size analysis (Nominal top size 20 mm or less)* for the purposes of making it easier to compare this Standard with International Standards; to prepare Japanese Industrial Standard conforming with International Standards; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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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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Coke—Testing methods

Introduction This Japanese Industrial Standard has been prepared based on the second edition of **ISO 567** *Coke—Determination of bulk density in a small container* published in 1995, the second edition of **ISO 616** *Coke—Determination of shatter indices* published in 1995, the third edition of **ISO 728** *Coke (nominal top size greater than 20 mm)—Size analysis by sieving* published in 1995, the second edition of **ISO 1014** *Coke—Determination of true relative density, apparent relative density and porosity* published in 1985 and the third edition of **ISO 2325** *Coke—Size analysis (Nominal top size 20 mm or less)* published in 1986 with some modifications of the technical contents.

Portions given sidelines or dotted underlines are the matters modified from the original International Standards. A list of modifications with the explanations is given in annex (informative).

1 Scope This Standard specifies the method for the particle-size analysis, the method for the determination of the bulk density, the method for determination of the density and porosity, the method for determination of the shatter indices, the method for determination of the drum indices, the method for the reactivity test and the method for the fusibility-of-ash test.

Remarks : The International Standards corresponding to this Standard is as follows.

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**.

ISO 567 : 1995 *Coke—Determination of bulk density in a small container* (MOD),

ISO 616 : 1995 *Coke—Determination of shatter indices* (MOD),

ISO 728 : 1995 *Coke (nominal top size greater than 20 mm)—Size analysis by sieving* (MOD),

ISO 1014 : 1985 *Coke—Determination of true relative density, apparent relative density and porosity* (MOD), and

ISO 2325 : 1986 *Coke—Size analysis (Nominal top size 20 mm or less)* (MOD)

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS K 0557 *Water used for industrial water and wastewater analysis*

JIS K 8646 *Dextrin hydrate*

JIS M 0104 *Technical terms used in coal utilization*

JIS M 8810 *Coal and coke—General rules for sampling, analysis and testing*