

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

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JIS R 7223 : 1997

## Chemical analysis of graphite materials

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ICS 25.180.10

**Descriptors** : graphite, purity, chemical analysis and testing

**Reference number** : JIS R 7223 : 1997 (E)

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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:

Date of Establishment: 1962-09-01

Date of Revision: 1997-04-20

Date of Public Notice in Official Gazette: 1997-04-21

Investigated by: Japanese Industrial Standards Committee

Divisional Council on Ceramics

Technical Committee on Carbon and  
Graphite Products

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JIS R 7223 : 1997, First English edition published in 1997-10

Translated and published by: Japanese Standards Association  
4-1-24, Akasaka, Minato-ku, Tokyo, 107 JAPAN

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## Chemical analysis of graphite materials

**1 Scope** This Japanese Industrial Standard specifies the chemical analysis of graphite material (hereafter referred to as "material").

Remarks : The normative references to this Standard are shown in Attached Table 1.

**2 Analysis items** Analysis items specified in this Standard shall be as follows :

- (1) Boron
- (2) Ash content

### 3 Common apparatus

**3.1 Balance** The weighing capacity of the balance to be used shall be not less than 100 g and its reciprocal sensibility shall be 0.1 mg.

**3.2 Glass devices and ceramic wares for chemical analysis** The glass devices and ceramic wares for chemical analysis used in this Standard, unless especially specified, shall conform to the following standards :

- (1) JIS R 1301
- (2) JIS R 1302
- (3) JIS R 1303
- (4) JIS R 1305
- (5) JIS R 1306
- (6) JIS R 1307
- (7) JIS R 3503
- (8) JIS R 3505

**3.3 Thermometer** For the thermometer, a mercury-in-glass thermometer of 0 °C to 150 °C in range, shall be used.

**3.4 Dryer** For the dryer, an electric thermostat with automatic temperature regulator capable of being kept at a temperature of 105 °C to 110 °C, shall be used.

**3.5 Vessel of distilled water** For the vessel of distilled water, a polyethylene vessel shall be used.

**4 Rounding off of numerical values** Measured and calculated values shall be rounded off according to JIS Z 8401.