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**Methods for industrial analysis and  
testing of natural graphite**

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## Contents

	Page
1	Scope ..... 1
2	Normative references ..... 1
3	Method for analysis of moisture ..... 2
3.1	Sample ..... 2
3.2	Preparation method for sample ..... 2
3.3	Determination method for total moisture ..... 2
4	Method for analysis ..... 3
4.1	Sample ..... 3
4.2	Preparation method for sample ..... 3
4.3	Determination method for volatile matters content ..... 3
4.4	Determination method for ash content ..... 5
4.5	Determination method for fixed carbon ..... 6
5	Method for testing ..... 6
5.1	Method for testing of oxidative consumption ..... 6
5.2	Method for pH test ..... 7
5.3	Method for testing of grain size ..... 8
5.4	Method for testing of specific surface area ..... 9
5.5	Testing method for lattice parameters and crystallite sizes ..... 9
6	General ..... 9
6.1	Accuracy ..... 9
6.2	Significant figures ..... 10
6.3	Record and expression ..... 10
6.4	Others ..... 10
Annex A (informative)	Method for testing of specific surface area by air permeation method ..... 11

## 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 Japan Carbon Association (JCA)/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 M 8511:2005** is replaced with this Standard.

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# Methods for industrial analysis and testing of natural graphite

## 1 Scope

This Japanese Industrial Standard specifies the methods for industrial analysis and testing of natural graphite. This Standard is also applicable to the analysis and testing of graphite resembling products as appropriate.

## 2 Normative references

The following standards contain provisions which, 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 K 0129 *General rules for thermal analysis*
- JIS M 8100 *Particulate materials — General rules for methods of sampling*
- JIS M 8813 *Coal and coke — Determination of constituents*
- JIS R 1301 *Porcelain crucibles for chemical analysis*
- JIS R 1306 *Porcelain combustion boats for chemical analysis*
- JIS R 1307 *Porcelain combustion tubes for chemical analysis*
- JIS R 1629 *Determination of particle size distributions for fine ceramic raw powders by laser diffraction method*
- JIS R 2212-1 *Methods for chemical analysis of refractory products — Part 1 : Fireclay refractories*
- JIS R 2212-2 *Methods for chemical analysis of refractory products — Part 2 : Silica refractories*
- JIS R 2212-3 *Methods for chemical analysis of refractory products — Part 3 : High alumina refractories*
- JIS R 2216 *Methods for X-ray fluorescence spectrometric analysis of refractory products*
- JIS R 3503 *Glass apparatus for chemical analysis*
- JIS R 7651 *Measurement of lattice parameters and crystallite sizes of carbon materials*
- JIS Z 8401 *Guide to the rounding of numbers*
- JIS Z 8801-1 *Test sieves — Part 1 : Test sieves of metal wire cloth*
- JIS Z 8802 *Methods for determination of pH of aqueous solutions*
- JIS Z 8805 *Glass electrodes for measurement of pH*