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**Test methods for pigments — Part 16:
Matter soluble in water — Section 1:
Hot extraction method**

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from Japan Inorganic Chemical Industry Association (JICIA)/Japanese Standards Association (JSA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

This Standard has been made based on **ISO 787-3:2000** *General methods of test for pigments and extenders — Part 3: Determination of matter soluble in water — Hot extraction method* for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; 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.

JIS K 5101 consists of the following parts under the general title *Test methods for pigments*:

- JIS K 5101-1-1 *Part 1: Methods of dispersion for assessment of dispersion characteristics — Section 1: General rules*
- JIS K 5101-1-2 *Part 1: Methods of dispersion for assessment of dispersion characteristics — Section 2: An oscillatory shaking machine*
- JIS K 5101-1-3 *Part 1: Methods of dispersion for assessment of dispersion characteristics — Section 3: A high-speed impeller mill*
- JIS K 5101-1-4 *Part 1: Methods of dispersion assessment of dispersion characteristics — Section 4: A bead mill*
- JIS K 5101-1-5 *Part 1: Methods of dispersion for assessment of dispersion characteristics — Section 5: A Hoover automatic muller*
- JIS K 5101-1-6 *Part 1: Methods of dispersion for assessment of dispersion characteristics — Section 6: A triple-roll mill*
- JIS K 5101-2-1 *Part 2: Comparison of colour — Section 1: Visual comparison method*
- JIS K 5101-2-2 *Part 2: Comparison of colour — Section 2: Colorimetric method*
- JIS K 5101-3-1 *Part 3: Tinting strength — Section 1: Determination of relative tinting strength and colour on reduction of coloured pigments — Visual comparison method*
- JIS K 5101-3-2 *Part 3: Tinting strength — Section 2: Determination of relative tinting strength of white pigments — Visual comparison method*
- JIS K 5101-3-3 *Part 3: Tinting strength — Section 3: Determination of relative tinting strength of coloured pigments and relative scattering power of white pigments — Photometric methods*
- JIS K 5101-3-4 *Part 3: Tinting strength — Section 4: Determination of relative tinting strength and residual colour difference of colorants — Weighted K/S value method*