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Test methods for chemicals in
slags—Part 2 : Test method for acid
extractable contents of chemicals

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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 in accordance with the Industrial Standardization Law.

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 0058 consists of the following 2 parts under the general title “*Test methods for chemicals in slags*”;

Part 1 : Leaching test method

Part 2 : Test method for acid extractable contents of chemicals

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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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Test methods for chemicals in slags— Part 2 : Test method for acid extractable contents of chemicals

Introduction This Japanese Industrial Standard is to specify the unified test method to be applicable for the purpose of confirming the safety to human and environment when the slags such as steel slag, non-ferrous slag, waste molten slag are effectively utilized.

1 Scope This Standard specifies the test method for leached chemicals content carried out for evaluating its safety when there is the possibility in which the slags such as steel slag, non-ferrous slag, waste molten slag and the products (slags) such as the roadbed materials, asphaltic products, concrete products are directly ingested to human. The content called herein means the extractable amount by using 1 mol/L of hydrochloric acid, etc. and the objective chemical substance of this test method for content is the inorganic matter such as lead, cadmium, mercury, fluorine, boron.

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 A 1132 *Method of making and curing concrete specimens*

JIS K 0058-1 *Test methods for chemicals in slags—Part 1 : Leaching test method*

JIS K 0068 *Test methods for water content of chemical products*

JIS K 0102 *Testing methods for industrial wastewater*

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

JIS K 8085 *Ammonia solution*

JIS K 8102 *Ethanol (95)*

JIS K 8180 *Hydrochloric acid*

JIS K 8355 *Acetic acid*

JIS K 8356 *Zinc acetate dihydrate*

JIS K 8576 *Sodium hydroxide*

JIS K 8622 *Sodium hydrogen carbonate*

JIS K 8625 *Sodium carbonate*

JIS K 8799 *Phenolphthalein*

JIS K 8951 *Sulfuric acid*

JIS M 8100 *Particulate materials—General rules for methods of sampling*

3 Definitions For the purposes of this Standard, the definitions given in JIS K 0058-1 apply, excluding the following.