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HG

CHEMICAL INDUSTRY STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

ICS 71.120; 25.220.50

G 94

Filing No.: 25854-2009

HG/T 3105-2009

Replacing HG/T 3105-1987

Vitreous and porcelain enamels for sheet steel - Production of specimens for testing

钢板搪玻璃试件的制备

Issued on: February 05, 2009

Implemented on: July 01, 2009

Issued by: Ministry of Industry and Information Technology of PRC

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Foreword

This standard replaces HG/T 3105-1987 "Vitreous and porcelain enamels for sheet steel-Production of specimens for testing".

This standard refers to ISO 2723-1995 "Vitreous and porcelain enamels for sheet steel - Production of specimens for testing".

Compared with HG/T 3105-1987, the main changes of this standard are as follows:

- ADD the requirements for materials;
- ADD the requirements for the uniformity of vitreous and porcelain enamels;
- ADD the DC spark requirement.

This standard was proposed by China Petroleum and Chemical Industry Association.

This standard shall be under the jurisdiction of the National Standardization Technical Committee for Glass-lined Equipment.

Drafting organizations of this standard: Jiangyin Guipu Enamel Co., Ltd.

The main drafters of this standard: Yu Xianzhong, Sang Linchun.

This standard replaces the standard previously issued as follows:

- HG/T 3105-1987 (GB/T 7992-1987).

Vitreous and porcelain enamels for sheet steel - Production of specimens for testing

1 Scope

This standard specifies the preparation methods and requirements for sheet steel specimens, which are used to determine the physical and chemical properties of vitreous and porcelain enamels for sheet steel.

This standard applies to the preparation of vitreous and porcelain enamels for sheet steel.

2 Normative references

The provisions in following documents become the provisions of this Standard through reference in this Standard. For the dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this Standard; however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

HG 2432 Quality standard of glass-lined equipment for industry

3 Shape and size of test specimens

3.1 There are two types of test specimens: square plate test specimens and circular plate test specimens.

3.2 Size of square plate test specimens is 80 mm × 80 mm; the thickness of the base sheet steel is (5.5 ± 0.2) mm; the thickness of vitreous and porcelain enamel is (1.1 ± 0.1) mm.

3.3 The size of the circular flat test specimens is $\Phi(105 \pm 2)$ mm; the thickness of the base sheet steel is 2 mm; the thickness of the vitreous and porcelain enamel is (0.8 ± 0.11) mm.

4 Preparation of test specimens

4.1 The steel used for the preparation of test specimens shall meet the requirements of HG 2432. Meanwhile, it is consistent with the sheet steel used for manufacturing

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