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LIGHT INDUSTRY STANDARD OF
THE PEOPLE'S REPUBLIC OF CHINA

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QB/T 3832-1999

Replacing GB/T 5944-1986

Evaluation of the corrosion test results of the metal deposits for the light industrial products

轻工产品金属镀层腐蚀试验结果的评价

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Foreword

The previous version of this Standard is GB 5944-1986 *Evaluation of the corrosion test results of the metal deposits for the light industrial products*, which has been transferred to QB/T 3832-1999 via the publication of State Bureau of Light Industry [1999] No. 12 Document. The content shall remain unchanged.

This Standard was proposed by State Administration of Light Industry Bureau of Industry Management.

This Standard shall be under the jurisdiction of National Technical Committee on Daily Hardware of Standardization Administration of China.

The drafting organizations of this Standard: Shanghai Institute of Light Industry, Shanghai Daily Hardware Industry Research Institute.

Main drafters of this Standard: Zhang Fulin, He Changlin, Dong Zicheng.

Evaluation of the corrosion test results of the metal deposits for the light industrial products

This Standard specifies the evaluation method for corrosion test results of plating layer specimen after corrosion test.

This Standard adopts International Standard ISO 1462-1973 *Metallic coatings -- Coatings other than those anodic to the basis metal -- Accelerated corrosion tests -- Method for the evaluation of the results.*

1 Scope

This method is applicable to rating of test specimen after neutral salt spray test, acetic acid salt spray test, copper salt filling acetic acid salt spray test, corrosion paste test and sulfur dioxide gas corrosion test.

2 Rating content

This rating method is mainly for the inspection and evaluation in two aspects of specimen after corrosion test.

2.1 Basic corrosion point refers to the base metal corrosion point penetrating plating layer of which its size does not include the accompanying rust. Usually, it is difficult to remove the corrosion point while it is easy to remove rust.

2.2 Plating layer corrosion refers to generic point discoloration of plating layer excluding darkening. Usually, it is difficult to remove the generic point discoloration and it has obvious boundary with the whole surface. While it is easy to wipe darkening bright and it has no obvious boundary with the whole surface.

3 Assessment area

Assessment area refers to the main surface of the corrosion test and the surface of the rating, which should be specified in the product standard. This area shall exceed 1 decimeter square meters or the total area of several specimens shall exceed 1 decimeter square meters.