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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国国家标准

GB/T 18175-2000

Determination of corrosion inhibition performance of water treatment agents-Rotation specimen method

水处理剂缓蚀性能的测定

旋转挂片法

Issued on July 03, 2000 **Implemented on March 01, 2001**

Issued by General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China

Standardization Administration of the People's Republic of China

Contents

Foreword

This standard is not equivalent to the *Laboratory Metal Materials Impregnation and Corrosion Testing Criteria* ASTM G31- 1995.

This standard is different to ASTM G31-1995 because it stipulates using the rotation specimen method to determine the corrosion inhibition performance of water treatment agents for metal materials.

Since the date of implementation of this standard, it will replace the *Determination of Corrosion Inhibition Performance of Water Treatment Agents-Rotation Specimen Method* HG/T 2159 - 1991

Annex A to this standard is the standard annex.

Annex B to this standard is a suggestive Annex.

This Standard is put forward by the former Ministry of Chemical Industry of the People's Republic of China.

This standard is under the jurisdiction of the Branch of Water Treatment Agents of the National Chemical Standardization Technology Committee.

This Standard is drafted by: Guangming Chemical Industry Research and Design Institute.

The main drafters of this Standard are: Li Chengguo, Guo Ximin, Guo Fengxiang, Cai Qiang, Li Yuanyuan, Cai Kangyu, Jiang Chunhua.

National Standard of the People's Republic of China

GB/T 18175-2000

Determination of corrosion inhibition performance of water treatment agents—Rotation specimen method

1 Scope

This standard stipulates the laboratory method by using the rotation specimen method to determine the corrosion inhibition performance of water treatment agents.

This Standard applies to the determination of corrosion inhibition performance of water treatment agents.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. At time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

GB/T 603-2012 Chemical reagents Preparation of chemical reagents and products used in the test method

GB/T 6682-2012 Analysis of water specifications and test methods of laboratory (neq ISO 3696:1986)

GB/T 15724.1-2012 Laboratory glassware beaker

HG/T 3523-2011 Technical conditions on standard corrosion specimens for chemical treatment of cooling water.

3 Method summary

The rotation specimen method, is conducted under the given laboratory conditions, works out the corrosion rate and inhibition rate to evaluate the corrosion inhibition performance of water treatment agents by using the quality loss of test blocks.

Approved by State Bureau of Quality Technical Supervision on November 21, 2000 **Implemented on March 1, 2001**

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