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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 23770-2009

**Liquid inorganic chemical products -- General method for the
measurement of colour**

液体无机化工产品色度测定通用方法

(English Translation)

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Foreword

This revised standard adopts the international standard ISO 2211. 1973 (E) "liquid chemicals --- to Hazen (Hazen) units (platinum - cobalt scale Degree) color measurement "(in English).

Adopting ISO 2211. When 1973 (E), made some changes in this standard, the relevant technical differences and structural differences have been incorporated into the text in, and they relate to the terms of the margin of a single vertical line identification. Annexes B and C are given in these technical differences and List of structural differences and the reasons for your reference.

Appendix A of this standard is a normative appendix, Appendix B and Appendix C are informative appendices.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Standardization Technical Committee chemical inorganic chemicals Club (SAC/TC63/SC1) centralized.

This standard is mainly drafted by. Fluoride Chemicals Co., Ltd., CNOOC Tianjin Chemical Research & Design Institute, Tianjin Entry-Exit Inspection and Quarantine Bureau.

1 Scope

This standard specifies the platinum - cobalt standard solution as the standard color, use of visual colorimetric determination of terms and definitions common methods of color, the method mentioned to, safety tips, general provisions, reagents, instruments, equipment, procedures and results of discriminant analysis.

This standard applies to tone approaching platinum - cobalt clarify standards of transparent, light-colored liquid inorganic chemicals measured chromaticity. With the present standard Chromaticity measured, a detection limit of 4 Hazen units.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Study whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

Preparation of GB/T 601-2002 Chemical Reagent standard titration solution GB/T 6682-2008 analytical laboratory use specifications and test methods (ISO 3696. 1987, MOD) Preparations of HG/T 3696.3 inorganic chemical products, chemical analysis

3 Terms and Definitions

The following terms and definitions apply to this standard.

Containing 1mg per liter to chloroplatinic acid (H_2PtCl_6) in the form of platinum and 2mg cobalt chloride hexahydrate ($\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$) platinum - cobalt solution Color liquid.

4 Method summary

According to a certain proportion of chloroplatinic potassium, cobalt chloride and hydrochloric acid aqueous solution dubbed (Platinum - Cobalt standard solution), and the resulting solution of the sample under test tone Tone products in most cases are similar, visually compare the samples with platinum - cobalt standard solution can be drawn chroma samples.

5 Safety Tips

Reagents used in this test method is corrosive, the operator must be careful! As splashed on the skin should immediately wash with water, Yan in severe cases should be treated immediately.

6 General Provisions

This standard reagents and water in the absence of other requirements specified, refers to three analytical reagent and GB/T 6682-2008 specified in water. Used in the test standard titration solution preparation, formulations and products prepared according to the provisions of HG/T 3696.3 according to GB/T 601 requirements.

7 Reagents

7.1

hydrochloric acid;

7.2

cobalt chloride hexahydrate;