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

GB/T 21884-2008

**Textile auxiliaries - Chelating agents - Determination of the
capability of chelating**

纺织印染助剂 螯合剂 螯合能力的测定

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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms

Foreword

Appendix A of this standard is a normative appendix. The standard proposed by China Petroleum and Chemical Industry Association. This standard by the National Standardization Technical Committee Dye (SAC/TC134) centralized. This standard was drafted. Zhejiang Chuan Co., Ltd., Shenyang Chemical Research Institute. The main drafters of this standard. Zhao Mei, Chen Hongmei, Chen Shuying, Kiran piano. Textile auxiliaries chelator Determination of chelating ability

1 Scope

GB/T 21884-2008 is the Chinese national standard on textile auxiliaries - chelating agents - determination of the capability of chelating, in the field of chemical technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 15 May 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 November 2008. Classification: ICS 71.100.40, CCS G70. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the method for determination of textile auxiliaries chelating agent chelating ability. This standard applies to textile auxiliaries in organic polyphosphonic acid salts, acids and salts, high molecular weight polyethylene measured chelating agent chelating ability; also Suitable ethylenediaminetetraacetic acid (EDTA), N- hydroxy ethylenediaminetetraacetic acid (HEDTA), diethyl-pentaacetic acid (DTPA) and its salts Determination of chelating agents chelating ability.

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 Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard. Preparation of

GB/T 601 chemical reagent standard titration solution

GB/T 603 chemical reagent test method Preparations of articles (GB/T 603-2002,

ISO 6353-1 with. 1982, NEQ)

GB/T 679-2002 Chemical Reagent ethanol (95%)

GB/T 6368-1993 Determination of pH value of an aqueous solution of the surfactant potential method (neq ISO 4316. 1977)

GB/T 6682 analytical laboratory use specifications and test methods (GB/T 6682-2008, ISO 3696. 1987, MOD)

3 Terms

The following terms and definitions apply to this standard.

3.1 One kind used in the textile industry, in the form of a water-soluble by forming a complex chemical passivated metal ions.

3.2 Ability to chelate metal ions, the amount of the compound of general use metal chelate metal ions or the formation represented. Expressed as Mg amount of the compound per gram of chelating metal ions or metal forming, namely mg/g.

3.3 Metal chelating ability of calcium ions, per gram of calcium chelating agent in chelate represents how much the strength of the calcium chelating ability, generally carbonate Calcium meter.

3.4 Ability to chelate metal ions of iron, in an amount per gram of chelated iron chelator in the number indicates the strength of iron chelating ability, generally trioxide Iron count.