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Test methods for industrial sodium tripolyphosphate

工业三聚磷酸钠试验方法

(English Translation)

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Foreword

The standard Chapter 6 - Chapter 14 are identical with or modify the use of the corresponding ISO standards. For the modified version of ISO standards Content, technical differences that exist with the vertical line identification in which they are involved in terms of the space on the right side of the page, and are given in Appendix A the correspondence with ISO standards, technical differences and their list of reasons.

This is a standard test methods for industrial sodium tripolyphosphate 11 series of standards integration amendments.

This standard replaces the following national standards.

GB/T 9984.1-2004 "Sodium tripolyphosphate for industrial measurement of whiteness";

GB/T 9984.2-2004 "industrial sodium tripolyphosphate total phosphorus pentoxide content - Quinoline phosphomolybdate gravimetric method";

GB/T 9984.3-2004 "column chromatography separation and determination of different forms of phosphate Sodium tripolyphosphate for industrial ion exchange";

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GB/T 9984.4-2004 "Determination of Sodium tripolyphosphate for industrial water-insoluble substance";

GB/T 9984.5-2004 "industrial sodium tripolyphosphate and sodium pyrophosphate Determination of loss on ignition";

GB/T 9984.6-2004 "Sodium tripolyphosphate for industrial measurement of iron content of 2,2'-bipyridyl spectrophotometric method";

GB/T 9984.7-2004 "Sodium tripolyphosphate for industrial measurement of pH potentiometric method";

GB/T 9984.8-2004 "Sodium tripolyphosphate for industrial measurement of particle size";

GB/T 9984.9-2004 "industrial sodium tripolyphosphate Determination of apparent density of a given volume weighing method";

GB/T 9984.10-2004 "Sodium tripolyphosphate for industrial (including food industry) Determination of oxides of nitrogen content of 3,4-dimethyl Phenol spectrophotometry ";

GB/T 9984.11-2004 "Determination of Sodium tripolyphosphate for industrial I type of content." this standard is GB/T 9984.1 ~ 9984.11-2004 revised to integrate a standard Chapter 5 - Chapter 15 corresponding to the system Column Standard GB/T 9984.1 ~ 9984.11-2004 relevant content. Repeated in a predetermined series of standards related were consolidated together and, at the same time a number of amendments to the original standard editorial errors.

Appendix A of this standard is an informative annex.

The standard proposed by China National Light Industry Council.

This standard by the National Standardization Technical Committee surfactant and detergent.

This standard was drafted. National Cleaning Products Quality Supervision and Inspection Center (Taiyuan), China Daily Chemical Industry Institute.

1 Scope

This standard specifies the industry (including food industry) of white sodium tripolyphosphate, total phosphorus pentoxide, different forms of phosphate, water Test Method for insoluble materials, ignition loss, the iron content, pH, particle size, apparent density, nitrogen oxides, I-type content of 11 indicators.

This standard applies to industry (including food industry) sodium tripolyphosphate, sodium pyrophosphate index measuring products.

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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.

GB/T 6003.1-1997 Test sieves of metal wire cloth GB/T 9086-2007 standard for white color and photometry GB/T 13173-2008 surfactant detergent test method (eqv ISO 607. 1980)

3 Terms and Definitions

The following terms and definitions apply to this standard.

In the visible region, the surface opposite the object completely white (standard white) ratio of the size of the diffuse reflection of radiant energy, expressed as a percentage.

The apparent mass per unit volume.

Industrial tripolyphosphate due to different atoms within the crystal structure are arranged to form a crystal morphology.

Another crystalline form of sodium tripolyphosphate industry due to different atoms within the crystal structure formed by the arrangement.

4 Sample Preparation

Press powdered sample division method GB/T 13173-2008 specified in the test sample reduced to a certain amount for the use of measurement.

5.1.1 Standard whiteboard

Preparation selection GSBA67001 standard whiteboard "magnesia whiteness physical standards" by the national measurement standard test given sector data Standard powder, follow the steps in the life of GB/T 9086-2007 predetermined pressure with a pressure injector into a standard whiteboard, used to calibrate the instrument.

5.1.2 Working Whiteboard

To determine the convenience, the available surface smooth, no nicks, no cracks in the white ceramic plate as the everyday work of the whiteness measurement whiteboard, white work

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