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

GB/T 6367-2012

Replacing GB/T 6367-1997

**Surface active agents -- Preparation of water with known
calcium hardness**

表面活性剂 已知钙硬度水的制备

(English Translation)

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Foreword

This standard rule according to GB/T 1.1-2009 given draft.

This standard replaces/T6367-1997 "surfactant known calcium hardness water prepared" GB , compared with the GB/T 6367-1997, the main changes are as follows.

- Delete ISO foreword;
- To adopt standard degree of modification adopted;
- Added "analysis of the balance" (see 6.6);
- Increase the informative Appendix A.

This standard uses redrafted law revision adopted ISO 2174:1990 "Preparation of calcium hardness of water surfactant known." this standard and ISO 2174:1990 compared to the more structural adjustment, listed in Appendix A of this standard and ISO 2174:1990's Reg number table.

This standard and ISO 2174:1990 and technical reasons for the difference. on normative references, this standard has been technically Adjust the difference to fit our technical conditions, adjust focus reflected in Chapter 2, "Normative references", the specific adjustment as follows.

- With a modified adoption of international standards of GB/T 6682-2008 instead of ISO 3696. 1987 (see 5.1);
- Increase cited GB/T 601-2002 (see 5.4);
- Increase cited GB/T 631-2007 (see 5.3);
- Removed ISO 385-1. 1984, ISO 648. 1977, ISO 1042. 1983, ISO 1773. 1976.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Standardization Technical Committee Chemistry (specialty) surfactant Technical Committee (SAC/TC63/SC8) centralized.

This standard was drafted. Zhejiang Feijian Chemical Co., Ltd., Shaoxing Knitting Co., Ltd. Hao dream.

1 Scope

This standard specifies the known calcium hardness water preparation.

This standard applies to the preparation of surfactant-containing products used in known calcium hardness of the water in the test surfactant and.

In many surfactant hard water test, calcium hardness and magnesium hardness no essential difference, so these tests can usually known calcium Hardness of calcium chloride solution is carried out.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated edition applies to this article Member. For undated references, the latest edition (including any amendments) applies to this document.

Preparation of GB/T 601-2002 Chemical reagents Titration standard solution GB/T 631-2007 Chemicals ammonia GB/T 6682-2008 analytical laboratory use specifications and test methods (ISO 3696. 1987, MOD)

3 Definitions and Terminology

The following terms and definitions apply to this document.

Water hardness Refers to the water due to the presence of calcium and magnesium (in exceptional circumstances, strontium barium salt or a salt) has properties.

Water hardness measurement unit the unit of measurement of water hardness it is millimoles per liter (mmol/L), mmol/L calcium hardness equivalent to 40.08mg per liter of calcium. Other units of measurement of water hardness its conversion relationship between them, see Appendix B.

Note: Water hardness measured initially by its ability to damage caused by the formation of soap bubbles evaluated, this property is mainly due to the presence of calcium and magnesium, but the His metal salts such as iron, aluminum and manganese salts, although rarely in natural water content, have the same effect.

Principle 4

An appropriate amount of calcium chloride dissolved in water into the reservoir to Mordant

black 11 and a mixture of methyl red as indicator, with edetate Disodium salt would be an appropriate volume of stock solution is diluted by the liquid complex titration of calcium content, a dilute solution of the desired hardness can be prepared.

5.1 Test water

Third grade water requirements of GB/T 6682-2008 prescribed.