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

GB/T 17041-2012

Replacing GB/T 17041-1997

**Surface active agents -- Sulfated ethoxylated alcohols and
alkylphenols -- Determination of total active matter content**

表面活性剂 乙氧基化醇和烷基酚硫酸盐活性物质总含量的测定

(English Translation)

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Foreword

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

This standard replaces GB/T 17041-1997 "surfactant ethoxylated alcohols and alkylphenols total sulfate content of the active substance Determination, "compared with the GB/T 17041-1997, the main changes are as follows.

--- Remove the ISO foreword;

--- Reducing the degree of modification using standard adoption.

This standard uses redrafted law revision of international standards ISO 6842. 1989 "surfactant ethoxylated alcohols and alkylphenols sulfur Determination of "salt of the active substance is present.

This standard and ISO 6842. 1989 and technical reasons for the difference. on normative references, this standard has made technical Adjust the difference to fit our technical conditions, adjust focus reflected in Chapter 2, "Normative references", the specific adjustment as follows.

--- Equivalents adoption of international standards GB/T 6372-2006 instead of ISO 607. 1980 (see Chapter 6);

--- Increase cited GB/T 601-2002 (see 4.5);

--- Increase cited GB/T 678-2002 (see 4.1);

--- Increase cited GB/T 686-2008 (see 4.4);

--- Increase cited GB/T 9853-2008 (see 4.3);

--- Increase cited GB/T 16983-1997 (see 4.2);

--- Increase quoted HG/T3440-1999 (see 4.6).

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. Shanghai Tiantan Auxiliaries Co., Ltd., Zhejiang Real Technology Co., Ltd.

1 Scope

This standard specifies the test methods for the active substance in the total sulfate content determination ethoxylated alcohols and phenols.

This standard applies to ethoxylated alcohols and alkylphenols sulfated product [alkyl alcohol ethylene oxide ether sulfates (ethoxylated alcohol sulfate Salt)] or alkyl phenol ethylene oxide ether sulfates (alkyl phenol ethoxylate sulfate measured) of the active substance in the total content.

The total active substances include organic compounds dissolved in ethanol (alkyl ether sulfates, alkylphenol ether sulfates,, and nonionic polyethylene glycol Component).

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 678-2002 chemical reagent ethanol (ethanol) GB/T 686-2008 chemical reagent acetone GB/T 6372-2006 surfactant and detergent sample division method (ISO 607. 1980, IDT) GB/T 9853-2008 Chemicals anhydrous sodium sulfate GB/T 16983-1997 chemical reagents dichloromethane (ISO 6353-3. 1987, MOD) HG/T3440-1999 chemical reagents potassium chromate Principle 3 the presence of sodium in the sample solution was boiled under reflux in ethanol, filtered, and the filtrate was evaporated the residue was weighed. The residue was dissolved in acetone Solution, titration with standard silver nitrate titration solution, wherein the determination of sodium chloride, sodium chloride content correction residue quality.

4.1 Ethanol

Meet the technical requirements GB/T 678-2002 of.

4.2 Dichloromethane

Meet the technical requirements GB/T 16983-1997 of.

4.3 Anhydrous sodium sulfate

Meet the technical requirements GB/T 9853-2008 of.