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

GB/T 6366-2012

Replacing GB/T 6366-1992

**Surface active agents -- Determination of mineral sulfate
content -- Titrimetric method
(English Translation)**

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 4 Reagents and materials
 - 4.1 Test water
 - 4.2 Acetone
 - 4.3 Nitrate
 - 4.4 Sodium hydroxide solution

Foreword

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

This standard replaces GB/T 6366-1992 "surfactant mineral sulfate content - Titrimetric method", and GB/T 6366-1992 phase Ratio, the main changes are as follows.

- Increasing the foreword;
- Improving the mining standard degree of modification adopted;
- Added "sampling" (see Chapter 6);
- Added "precision" (see 8.2);
- Added "Test Report" (see Chapter 9);
- Increase the informative Appendix A.

This standard uses redrafted law revision of international standards ISO 6844. 1983 "surfactant mineral sulfate content - Titrimetric law".

This standard and ISO 6844. 1983, compared with more adjustment in the structure, listed in Appendix A of this standard and ISO 6844. 1983's Reg number control list.

This standard and ISO 6844. Difference and technical reasons 1983 is as follows.

Love --- on normative references, this standard has been adjusted technical differences, in order to adapt to China's technical conditions, adjustment Focus is reflected in the status of Chapter 2, "Normative references", the specific adjustments are as follows.

- Use identical with international standards GB/T 6372-2006 instead of ISO 607 (see Chapter 6);

- Increase cited GB/T 601-2002 and HG/T3470-2000 (see 4.7);
 - Increase cited GB/T 626-2006 (see 4.3);
 - Increase cited GB/T 629-1997 (see 4.4);
 - Increase cited GB/T 686-2008 (see 4.2);
 - Increase cited GB/T 6682-2008 (see 4.1);
 - Remove ISO 385-2, ISO 648, ISO 835-2, ISO 1042.
- Increase in Table 3, in order to ensure the accuracy of test results and repeatability, to be provided to absorb the color depth of the sample solution volume.
- Increase formula (2), after verification of the test samples were deep color formula (2) is more appropriate.
- Test report expressed are different, more suitable for common presentation of China's chemical industry.

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. Shaoxing Guotai additives plant, Zhejiang Real Chemical Group Limited.

1 Scope

This standard specifies the method for determination of surfactants inorganic sulfate content.

This standard applies to contain sodium sulfate, ammonium sulfate, alkanolamine, sulfate anionic surfactant.

This standard does not contain under the test conditions will generate other compounds sparingly soluble lead salt, such as phosphate or large amounts of chloride products, Nor to interfere with pH-adjusted contain large amounts of weak acid. product (such as soap or a succinate ester sulfonate) of.

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 626-2006 Chemicals nitrate GB/T 629-1997 Chemical reagents Sodium hydroxide (ISO

6353-2. 1983, MOD) GB/T 686-2008 chemical reagent acetone GB/T 6372-2006 surfactant and detergent sample division method (ISO 607. 1980, IDT) GB/T 6682-2008 analytical laboratory use specifications and test methods (ISO 3696. 1987, MOD) HG/T3470-2000 lead nitrate Chemicals Principle 3 the titration method with dithizone as indicator acetone solution with lead nitrate standard solution titrate the sample buffer.

4.1 Test water

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

4.2 Acetone

Meet the technical requirements GB/T 686-2008 of.

4.3 Nitrate

Meet the technical requirements GB/T 626-2006 of. 1mol nitrate was dissolved in 1L of water and set aside.

4.4 Sodium hydroxide solution

Meet the technical requirements GB/T 629-1997 in. 40g of sodium hydroxide dissolved in 1L of water and set aside.