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

GB/T 638-2018

Chemical reagent -- Stannous chloride dihydrate

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 638-2007 "chemical reagent stannous chloride (II) chloride (thin chloride)", and GB/T 638-2007

Compared to the main technical changes are as follows.

--- Increased sodium, potassium, calcium three specifications and determination methods (see Chapter 4, 5.6, 5.7, 5.8);

---Modified packaging and logo (see Chapter 7, Chapter 7 of the.2007 edition);

--- Cancel hydrogen sulfide without sediment (Chapter 4, 5.11 of the.2007 edition).

This standard uses the redrafting method reference ISO 6353-2.1983 "Chemical Analysis Reagents Part 2. Specifications 1 Series" in R38

The preparation of "stannous chloride dihydrate" is not equivalent to ISO 6353-2.1983.

This standard was proposed by the China Petroleum and Chemical Industry Federation.

This standard is under the jurisdiction of the National Chemical Standardization Technical Committee (SAC/TC63).

This standard was drafted. Guangdong Guanghua Technology Co., Ltd., Chongqing Chuandong Chemical (Group) Co., Ltd.

1 Scope

This standard specifies the properties, specifications, tests, inspection rules, packaging and marking of the chemical reagent stannous chloride dihydrate (stannous chloride).

This standard applies to the chemical reagent stannous chloride dihydrate (stannous chloride).

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Preparation of GB/T 601 chemical reagent standard titration solution

Preparation of standard solution for GB/T 602 chemical reagent impurity determination

Preparation of preparations and products used in GB/T 603 chemical reagent test method

GB/T 610-2008 General method for determination of arsenic in chemical reagents

GB/T 6682 Analytical laboratory water specifications and test methods

GB/T 9723-2007 General rules for chemical reagents for flame atomic absorption spectrometry

GB/T 9728 chemical reagent sulfate determination method

GB 15346 chemical reagent packaging and marking

HG/T 3484 Chemical Reagent Standard Glass Emulsion and Clarity Standard

HG/T 3921 Chemical Reagent Sampling and Acceptance Rules

3 traits

This product is colorless crystal, which is hydrolyzed in water to form an insoluble basic salt. It is dissolved in dilute hydrochloric acid solution and gradually oxidized in air.

Molecular formula. $\text{SnCl}_2 \cdot 2\text{H}_2\text{O}$

Relative molecular mass. 225.62 (according to the international relative atomic mass in.2013)

CAS No.. 10025-69-1

4 specifications

The specifications of stannous chloride dihydrate are shown in Table 1.

Table 1 Specifications of stannous chloride dihydrate

Name analysis

Content ($\text{SnCl}_2 \cdot 2\text{H}_2\text{O}$), w/% ≥ 98.0 ≥ 97.0

Clarity test/number ≤ 3 ≤ 5

Insoluble matter of hydrochloric acid, w/% ≤ 0.005 ≤ 0.01

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