



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

中华人民共和国国家标准

GB/T 1268-1998

Replace GB/T 1268-1984

**Chemical reagent
Sodium thiocyanate**

化 学 试 剂

硫 氰 酸 钠

Issued on October 20, 1998

Implemented on May 01, 1999

Issued by State Bureau of Technical Supervision

Foreword

This standard gives three levels: guaranteed reagent (GR), analytical reagent (AR) and chemically pure (CP). GR non-equivalently adopts "sodium thiocyanate" in American Chemical Society ACS (1987) standard. Differences are as follows:

1. Standard preparation

According to the national conditions of our country, this standard adds three chapters: properties, inspection rules, and packing and designation.

2 Specification

2.1 Item

This standard has three items more than ACS standard: content, clarity test and substances that reduce iodine.

2.2 Indicators

The GR six indicators of water insoluble, chloride, sulfate, ammonium salt, iron and heavy metal are more rigorous than those of ACS standard, other items are the same as ACS standard.

2.3 Test

The measuring methods of this standard: chloride, sulfate, ammonium, iron, sulfide and heavy metal are basically same as ACS standard, but there is difference in measuring conditions. The experiments show that there is no significant difference in results. Other items employ corresponding standards in a set of general test method standards for chemical reagents that have been formulated in China. This set of standards is basically prepared with ISO 6353-1: 1982 *Reagents for Chemical Analysis –Part 1: General Test Method*.

This standard revises and replaces GB/T 1268 —1984 *Chemical Reagent Sodium Thiocyanate*. Compared with the previous version, it adds carbonate, and makes corresponding changes in specification and test method to adopt ACS standard.

This standard will replace GB/T 1268-1984 from the date of its implementation.

The standard is put forward by Ministry of Chemical Industry of People's Republic of China.

This standard is under the jurisdiction of Branch of Chemical Reagent of National Standardization Technical Committee of Chemical.

This standard is drafted by Chengdu Chemical Reagent Factory.

Main drafters of this Standard: Chen Junru, Guo Shanpei.

This standard was first published in 1977 and revised in 1984.

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Molecular formula: NaSCN

Relative molecular mass: 81.07 (according to 1995 international relative atomic mass)

1 Scope

This standard specifies the technical requirements, test methods, inspection rules, and packing and designation of sodium thiocyanate, a chemical reagent.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 601-1988 Rolled solid wheels for railway

GB/T 602-1988 Chemical reagent--preparations of stock standard solutions

GB/T 603-1988 Chemical reagent--Preparations of reagent solutions for use in test methods

GB/T 619-1988 Chemical reagent--Regulations for sampling and acceptance

GB/T 6682-1992 Water for analytical laboratory use—Specification and test methods (neq ISO 3696-1987)

GB/T 9728-1988 Chemical reagent-General method for the determination of sulphate (eqv ISO 6353-1: 1982)

GB/T 9735-1988 Chemical reagent-General method for the determination of heavy metals (eqv ISO 6353-1: 1982)

GB/T 9738-1988 Chemical reagent-General method for the determination of water



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