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NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

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GB/T 9729-2007

Replacing GB/T 9729-1988

Chemical reagent –

General method for the determination of chloride

(ISO6353-1:1982, Reagents for chemical analysis –

Part 1: General test methods, NEQ)

化学试剂 氯化物测定通用方法

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Foreword

This Standard is not equivalent to ISO 6353-1:1982 *Reagents for chemical analysis - Part 1: General test methods*.

This Standard replaces GB/T 9729-1988 *Chemical reagent - General method for the determination of chloride*. Compared with GB/T 9729-1988, the main change is as follows:

- Refined the determination method (Clause 5 of 1988 edition, Clause 5 of this Standard).

This Standard was proposed by China Petroleum and Chemical Industry Federation.

This Part shall be under the jurisdiction of the National Standardization Technical Committee of Chemical Reagents (SAC/TC 63 / SC 3).

The drafting organization of this Standard: Guangdong Guanghua Chemical Factory Co., Ltd.

Main drafters of this Standard: Zhang Zhibin, Lin Chuqing, and Zhang Mingchun.

This Standard was issued in 1988 for the first time.

Chemical reagent –

General method for the determination of chloride

1 Scope

This Standard specifies the general method for the determination of chloride via visual turbidimetry.

This Standard is applicable to the determination of trace chloride in chemical reagent. Detection range is 0.2 µg/mL ~ 4 µg/mL (in Cl).

2 Normative references

The following standards contain the provisions which, through reference in this Standard, constitute the provisions of this Standard. For dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this Standard. However, the parties who enter into agreement based on this Standard are encouraged to investigate whether the latest versions of these documents are applicable. For undated reference documents, the latest versions apply to this Standard.

GB/T 602 Chemical Reagent - Preparations of Standard Solutions for Impurity (GB/T 602-2002, ISO 6353-1:1982, NEQ)

GB/T 603 Chemical Reagent - Preparations of Reagent Solution for Use in Test (GB/T 603-2002, ISO 6353-1:1982, NEQ)

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

3 Principle

In hydrochloric acid medium, chlorine ions and silver ions form insoluble silver chloride. When chlorine ion content is low, silver chloride is in suspension within a certain time, which makes solution turbid and applicable to visual turbidimetry of chloride.

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