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

GB/T 13025.5-2012

Replacing GB/T 13025.5-1991

**General test method in salt industry - Determination of chloride
ion**

制盐工业通用试验方法 氯离子的测定

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Foreword

This section of the standard method of series universal testing in salt industry, which is currently divided into the following series of standards section 13 and, if necessary, other test Standard test method will complement the development of the follow-up work.

--- GB/T 13025.1 General test method in salt industry - Determination of particle size;

--- GB/T 13025.2 General test method in salt industry - Determination of whiteness;

--- GB/T 13025.3 General test method in salt industry - Determination of moisture content;

--- GB/T 13025.4 General test method in salt industry - Determination of insoluble matter;

--- GB/T 13025.5 General test method in salt industry Determination of chloride ion;

--- GB/T 13025.6 General test method in salt industry - Determination of calcium and magnesium;

--- GB/T 13025.7 General test method in salt industry - Determination of iodine;

--- GB/T 13025.8 General test method in salt industry - Determination of sulfate;

--- GB/T 13025.9 General test method in salt industry - Determination of lead;

--- GB/T 13025.10 General test method in salt industry - Determination of ferrous cyanide;

--- GB/T 13025.11 General test method in salt industry - Determination of Fluoride;

--- GB/T 13025.12 General test method in salt industry - Determination of barium;

--- GB/T 13025.13 General test method in salt industry - Determination of arsenic. This is Part 5 GB/T 13025 in. This section based on GB/T 1.1-2009 of rules for the preparation.

This Part replaces GB/T 13025.5-1991, this standard and GB/T 13025.5-1991 "General test method in salt industry - chlorine Ion's "Compared addition to editorial changes, the major technical changes are as follows:

1 Scope

GB/T 13025.5-2012 is the Chinese national standard on general test method in salt

industry - determination of chloride ion, in the field of chemical technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 29 June 2012 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2012. Classification: ICS 71.060.50, CCS X35. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This section GB/T 13025 provides for determination of salt products and salt chemical products of chlorine ions. This section applies to chemical products and salt and determination of chloride feedstock product salt.

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.

GB/T 6682-2008 analytical laboratory use specifications and test methods Method 3 silver

3.1 Principle Sample solution was neutralized with potassium chromate as indicator, titrate with standard silver nitrate titration, determination of chlorine ions.

3.2 Reagents

3.2.1 Reagents Specifications Unless otherwise indicated in the analysis using only recognized as analytical reagents and

GB/T 6682-2008 specified tertiary water.

3.2.2 sodium chloride standard solution Weigh 5.844g was burning 600 °C to constant weight of sodium chloride reference reagents, weighing accuracy of 0.0001g, dissolved in water, transferred to a 1000mL volumetric flask, add water to the mark. The concentration of sodium chloride standard solution in accordance with the formula (1). $c(\text{NaCl}) = \frac{m}{58.44 \times V}$ Where. $c(\text{NaCl})$

--- the concentration of sodium chloride standard solution, unit mole per liter (mol/L); m

--- said to take quality of sodium chloride, in grams (g); 58.44

--- sodium chloride molar mass in grams per mole (g/mol); Preparation of the V

--- volume of the solution, in liters (L).

3.2.3 standard silver nitrate titration solution Preparation. Weigh 85g of silver nitrate dissolved in 5L of water, mix well stored in a brown bottle spare (if cloudiness should be filtered). Calibration. lessons 20.00mL sodium chloride standard solution (3.2.2), placed in 150mL beaker, as measured in step

3.4.2 will be dropping Fixed, while doing the blank test.

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