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

GB/T 13025.3-2012

Replacing GB/T 13025.3-1991

**General test method in salt industry - Determination of
moisture**

制盐工业通用试验方法 水分的测定

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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 3 GB/T 13025 in. This section based on GB/T 1.1-2009 of rules for the preparation. This Part replaces GB/T 13025.3-1991 "General test method in salt industry - Determination of moisture," This part of the editorial modify. This section presented by the China Light Industry Federation, the National Salt Industry Standardization Technical Committee centralized. This section drafted by: National Maritime Center Salt Lake standardization. The main drafters of this section. Tong Yun Kun, Huo Jun Fei. This section previously issued as follows:

1 Scope

GB/T 13025.3-2012 is the Chinese national standard on general test method in salt industry - determination of moisture, 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 product provides for determination of salt and salt chemical products in the water. This section applies to the determination of salt and salt chemical products, product moisture wherein the loss on drying method applies only to a moisture content of not more than 4% Determination of the sample.

2 Loss on drying method

2.1 Principle Sample at a predetermined temperature (a temperature between 80 °C ~ 200 °C) is dried to constant weight, weighing reductions before and after drying.

2.2 Instrument

2.2.1 Ovens. Temperature fluctuation $\leq \pm 2$ °C.

2.2.2 low profile weighing bottle. 60mm x 30mm.

2.3 Analysis Steps Weigh 10g crushed to 2mm or less homogeneous samples, weighing accuracy 0.001g, has been placed at a predetermined temperature dried and weighed low Type weighing bottle, oblique open weighing bottle into the oven temperature gradually warmed to a predetermined temperature, continue drying 2h, covered weighing bottle, take Out and transferred to a dryer, cooled to room temperature and weighed after each drying 1h weighing until two successive weighing the difference does not exceed 0.0005g Regarded as a constant weight.

2.4 Calculation Results The moisture content of the sample mass fraction w and its value as a percentage (%) expressed by the formula (1). $w = \frac{m_1 - m_2}{m} \times 100\%$ (1) Where. m_1

--- weighing bottle plus sample before drying mass in grams (g); m_2 after drying

--- weighing bottle plus sample mass, in grams (g); m

--- weighed sample mass, in grams (g).

2.5 Precision In the same laboratory by the same operator using the same equipment, the same testing methods, and in a short time on the same object to be measured phase Two independent mutually independent test results obtained absolute difference is not greater than specified in Table 1. Table

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