

**QB**

**Professional Standard of the People's Republic of China**

QB/T 2605-2003

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**Industrial Magnesium Chloride**

**工业氯化镁**

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## Contents

<b>Foreword</b> .....	1
<b>1 Scope</b> .....	3
<b>2 Normative Reference</b> .....	3
<b>3 Product Classification</b> .....	3
<b>4 Requirements</b> .....	3
<b>5 Test Method</b> .....	4
<b>6 Inspection Rules</b> .....	6
<b>7 Marking, Packaging, Transportation and Storage</b> .....	7
<b>Annex A</b> .....	8

## Foreword

This Standard is revision of original national standard GB/T 8453-1987 *Industrial magnesium chloride* (This standard modified from QB/T 3706-1999 which issued by GUOQINGHANG [1999], unchanged in main contents)

Comparison with QB/T 3706-1999, main changes of this Standard are as follows:

- Two Class to be set for white and magnesium chloride;
- Annex A of this Standard is number of sampling in case of determination of industrial magnesium chloride.

Annex A of this Standard is normative annex.

This Standard is proposed by China National Light Industry Associations.

This Standard is under jurisdiction of the National Standardization Center of Sea-Lake Salt.

This Standard is drafted in charge by the National Standardization Center of Sea-Lake Salt.

Chief drafters of this Standard are Wang Zhibin and Liu Zhida.

This Standard was firstly issued on 1987, changed into Light Industry Standard on 1999, this is firstly modified.

From implementation date of this Standard, to replace original industry standard QB/T 3706-1999 *Industrial magnesium chloride* issued by State Bureau of Light Industry.

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# Industrial Magnesium Chloride

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## 1 Scope

This standard specifies the requirements, test methods, inspection rules and marking, as well as packaging, transportation and storage of industrial magnesium chloride.

This standard is applicable to industrial magnesium chloride made by salt-making mother liquor or natural magnesium chloride as raw material.

## 2 Normative Reference

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 6682 Water for analytical laboratory use - Specification and test methods

GB/T 8618-2001 Sampling methods of the main products in the salt industry

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 ions

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

## 3 Product Classification

— Flakiness, Grain.

— Divided into white magnesium chloride and general magnesium chloride according to colour.

Molecular formula:  $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$

Molecular weight: 203.30 (as per International Atomic Weight on 1997)

## 4 Requirements

### 4.1 Sensory indicators

Industrial magnesium chloride includes flakiness or grain, white magnesium chloride appears whiteness, general magnesium chloride appears yellowish-brown, dark grey, light brown, easily moisture absorption and mild pot-stewed fowl.

### 4.2 Physical and chemical indicators

Physical and chemical indicators of industrial magnesium chloride shall be in accordance with those specified in Table 1.

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