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

GB 1919-1980

Replacing GB/T 1919-2014

**Potassium hydroxide for industrial use
(English Translation)**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting.

This document replaces GB/T 1919-2014 "Industrial Potassium Hydroxide". Compared with GB/T 1919-2014, except for structural adjustment and editorial in addition to the modifications, the main technical changes are as follows.

- a) Delete the GM category of industrial potassium hydroxide produced by the diaphragm method (see Chapter 4 of the 2014 edition);
- b) Changed solid type III specifications (see Chapter 5, Chapter 4 of the 2014 edition);
- c) The indicators of iron (Fe), potassium carbonate (K_2CO_3), and chloride (calculated as Cl) have been changed (see 6.2, 5.2 of the 2014 version);
- d) Added items, indicators and test methods for nickel (Ni) and heavy metals (calculated as Pb) (see 6.2, 7.9, and 7.10);
- e) Deleted the sulfate (calculated as SO_4) items, indicators and test methods (see 5.2 and 6.5 of the 2014 edition);
- f) The potentiometric titration method for determination of chloride content was added and set as the arbitration method (see 7.4.1);
- g) Delete the "Safety" chapter (see Chapter 10 of the 2014 edition).

Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents.

1 Scope

This document specifies the classification, requirements, test methods, inspection rules, signs, labels and accompanying documents, packaging and transportation of industrial potassium hydroxide.

and storage.

This document applies to industrial potassium hydroxide.

Note: This product is mainly used in chemical industry, battery, medicine, light industry, dyestuff, textile, metallurgy and other industries, and is used as chemical production, alkaline storage battery, pharmaceutical intermediates, potassium fertilizer Raw materials for soaps, cosmetics (such as cold cream, cream and shampoo), vat dyes, artificial fibers and polyester fibers, metallurgical heating agents, leather degreasing, etc.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations for undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document.

GB 190 Dangerous goods packaging markings GB/T 191-2008 Packaging, storage and transportation pictorial markings GB/T 325.2 Steel drums for packaging containers Part 2: Minimum total capacity 208L, 210L and 216.5L fully open steel drums GB/T 3049-2006 General method for determination of iron content in industrial chemical products 1,10-phenanthroline spectrophotometry GB/T 3050-2000 General method for determination of chloride content in inorganic chemical products - Potentiometric titration method GB/T 3051-2000 General method for determination of chloride content in inorganic chemical products - Mercury method GB/T 6678 General principles for sampling of chemical products GB/T 6682-2008 Specifications and test methods for water used in analytical laboratories GB/T 8170 Numerical rounding rules and representation and determination of limit values GB 12463 General technical conditions for transport and packaging of dangerous goods GB 18191 Packaging containers and plastic drums for dangerous goods packaging GB/T 23950 General method for determination of heavy metals in inorganic chemical products HG/T 3696.1 Preparation of standard solutions, preparations and products for chemical analysis of inorganic chemical products Part 1: Standard titration solution Preparation of liquid HG/T 3696.2 Preparation of standard solutions, preparations and products for chemical analysis of inorganic chemical products Part 2: Impurity standard solutions Preparation of liquid HG/T 3696.3 Preparation of standard solutions, preparations and products for chemical analysis of inorganic chemical products Part 3: Preparations and products Preparation Model Recommendations and Regulations on the Transport of Dangerous Goods (United Nations, 21st Edition, 2019)