

ICS 71.060.50

CCS G12



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

GB/T 1608-2017

Replacing GB/T 1608-2008

Potassium permanganate for industrial use

工业高锰酸钾

Issued on: July 12, 2017

Implemented on: February 1, 2018

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative reference documents
- 3 Molecular formula and relative molecular mass

Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009. This standard instead of GB/T 1608-2008 "industrial potassium permanganate", and GB/T 1608-2008 compared to the main technical differences are as follows:

--- increase the type of product, the original standard specifications for the type I, increase the quicksand products for the type II (see Chapter 4, 5.2,.2008 version of 4.2); - Added indicators to increase cadmium, chromium, mercury, mobility, moisture, and particle size (see 5.2,

4.2 of 2008); - increased test methods, increased cadmium, chromium, mercury, mobility, moisture, particle size indicators corresponding to the test method (see 6.8,6.9,6.10, 6.11, 6.12, 6.13);

--- Adjust the potassium permanganate and water insoluble indicators (see 5.2,.2008 version 4.2). This standard is proposed by the China Petroleum and Chemical Industry Association. This standard by the National Chemical Standardization Technical Committee of inorganic chemical sub-technical committee (SAC/TC63/SC1) centralized. The main drafting unit of this standard. CNOOC Tianjin Chemical Research and Design Institute, Chongqing Changyuan Chemical Group Co., Ltd., Yunnan Star Chemical has Limited company, Datong City, Beijing yuan Manganese Industry Co., Ltd., silver Chang Yuan Chemical Co., Ltd. The main drafters of this standard. Fan Guoqiang, Chen Shaocheng, Zhang Zhong, Zhu Hanqun, Gu Yunfeng, Gao Hongguang, Zhang Renyi, Yuan Dailin. This standard replaced the previous version of the standard release. GB/T 1608-1986, GB/T 1608-1997, GB/T 1608-2008. Industrial potassium permanganate Caution. This product is subject to category 5

5.1 oxidizing substances according to the provisions of Chapter 6 of GB 12268-2012. Cautious Personnel using this standard should have practical experience in formal laboratory work. This standard does not indicate all possible security issues. use It is the responsibility to take appropriate safety and health measures and to ensure compliance with the requirements of the relevant national regulations.

1 Scope

GB/T 1608-2017 is the Chinese national standard on potassium permanganate for industrial use, 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 12 July 2017 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 February 2018. Classification: ICS 71.060.50, CCS G12. 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 standard specifies the requirements, test methods, inspection rules and marking, labeling, packaging, transportation, storage and safety of industrial potassium permanganate. This standard applies to industrial potassium permanganate. The product is mainly used for chemical industry, metallurgical industry, environmental protection, agriculture and farming, also used For life water treatment agent, preservatives, cleaning agents and pharmaceutical industry raw materials.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document. Dangerous Goods Packaging Marks

GB/T 191-2008 packaging and storage icon

GB/T 6003.1-2012 Technical specifications and tests for test sieves - Part 1. Test screen for wire braid General rules for sampling of chemical products GB/T

GB/T 6682 Analytical laboratory water specifications and test methods Representation and Judgment of Numerical Correction Rule and Limit Value of

GB/T 8170 List of dangerous goods General technical conditions for transport of dangerous goods General principles of flame atomic absorption spectrometry for inorganic chemical products GB/T 23768-2009

HG/T 3696.1 Preparation of standard solutions, preparations and preparations for the chemical analysis of inorganic chemical products - Part 1. Standard titration solution Preparation of liquid

HG/T 3696.2 Preparation of standard solutions, preparations and preparations for the

chemical analysis of inorganic chemical products - Part 2. Impurities standard Preparation of liquid

HG/T 3696.3 Preparation of standard solutions, preparations and preparations for chemical analysis of inorganic chemical products - Part 3. Preparations and preparations Of the preparation Rules for the Transport of Dangerous Goods by JT617 Rules for the transport of dangerous goods for waterways (Ministry of Communications of the People's Republic of China) Interim Provisions on the Administration of Railway Dangerous Goods Transportation (China Railway Corporation)

3 Molecular formula and relative molecular mass

Molecular formula. KMnO_4

4 Relative molecular mass. 158.0 (according to 2013 International relative atomic mass)