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

GB/T 22627-2022

Replacing GB/T 22627-2014

Water treatment chemicals - Polyaluminium chloride

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules of Standardization Documents" drafted. This document replaces GB/T 22627-2014 "Water Treatment Agent Polyaluminum Chloride". Compared with GB/T 22627-2014, except for structural adjustment In addition to editorial changes, the main technical changes are as follows:

- Changed normative references (see Chapter 2, Chapter 2 of the.2014 edition);
- Added terms and definitions (see Chapter 3);
- Increased raw material requirements (see 5.2);
- Added density and ammonia nitrogen indicators, and changed some technical indicators (see Table 1, Table 1 of the.2014 edition);
- Increased the density determination method (see 6.4);
- Added the method for determination of iron content
- Spectrophotometry (see 6.8.1);
- Increased the determination method of ammonia nitrogen content (see 6.9). Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents. This document is proposed by China Petroleum and Chemical Industry Federation. This document is under the jurisdiction of the National Chemical Standardization Technical Committee (SAC/TC63). This document is drafted by: Shenzhen Zhongrun Water Industrial Technology Development Co., Ltd., Hengyang Jianheng Industrial Co., Ltd., Zhejiang Lvye Water Purification Co., Ltd. Agent Technology Co., Ltd., Zibo Zhenghe Water Purification Agent Co., Ltd., Gongyi Fuyuan Water Purification Material Co., Ltd., Chongqing Lanjie Guangshun Water Purification Material Materials Co., Ltd., Jiashan Strait Jingshuiling Chemical Co., Ltd., Henan Aierfolk Chemical Co., Ltd., Zhongke Testing Technology Service (Guangzhou) State) Co., Ltd.,

Changzhou Qingliu Environmental Protection Technology Co., Ltd., Taicang Yehong Water Purification New Material Co., Ltd., Shenmei Technology Co., Ltd., Guangdong Huafeng Bijiang Environmental Protection Technology Co., Ltd., Luoyang Yulong Water Purification Material Co., Ltd., Anhui Keling Water Treatment Technology Co., Ltd., Shanghai Gaoqiao Datong Water Purification Material Co., Ltd., Fujian Rongquan Water Purification Agent Co., Ltd., Chengdu Huijin Water Development Co., Ltd., Shengli Oilfield New Bang Petroleum Technology Co., Ltd., Nanchang Water Industry Group Nanchang Industry and Trade Co., Ltd., China Aluminum Shandong Co., Ltd., Henan Changtai Environmental Protection Technology Co., Ltd. Co., Ltd., Xinrui Guoyuan (Inner Mongolia) Technology Co., Ltd., Henan Huaquan Water Treatment Co., Ltd., CNOOC Tianjin Chemical Research and Design Institute Ltd. The main drafters of this document. Li Runsheng, He Qingfeng, Yu Minghua, Yang Aiguo, Zhang Jinyou, Wang Mingdong, Shen Liexiang, Xu Zhiyuan, Wang Bo, Han Xiaogang, Lu Zhenghong, Shi Weijie, Jiang Zhifei, Wang Longqing, Lu Yuefeng, Ou Guohua, Chen Zican, Cai Bingxian, Xin Sheng, Shi Zhenhua, Shi Lida, Wei Xiaoming, Zhao Xin, Yuan Xiaoyang and Bai Ying. This document was first published in.2008, revised for the first time in.2014, and this is the second revision. Water treatment agent polyaluminum chloride Warning

---The water treatment agent polyaluminum chloride is corrosive and irritating. Operators should wear protective equipment when working. Avoid direct contact with the human body. In case of accidental contact, rinse immediately with plenty of water, and seek medical attention immediately in severe cases. This document does not address all possible It is the user's responsibility to take appropriate safety and health measures, and to ensure compliance with the relevant national regulations.

1 Scope

GB/T 22627-2022 is the Chinese national standard on water treatment chemicals - polyaluminium chloride, 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 9 March 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 October 2022. Classification: ICS 71.100.80, CCS G77. 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 document specifies the requirements, test methods, inspection rules, marking, packaging, transportation and storage of water treatment agent polyaluminum chloride. This document applies to polyaluminum chloride for industrial water supply, wastewater and

sewage and sludge treatment.

2 Normative references

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

GB/T 191 Graphical signs of packaging, storage and transportation

GB/T 320 Industrial Synthetic Hydrochloric Acid Preparation of

GB/T 601 Standard Titration Solutions for Chemical Reagents

GB/T 602 Preparation of standard solutions for the determination of impurities in chemical reagents Preparation of preparations and products used in

GB/T 603 chemical reagent test methods

GB/T 610-2008 General method for the determination of arsenic in chemical reagents

GB/T 6678 General Rules for Sampling of Chemical Products

GB/T 6682-2008 Specifications and test methods for water used in analytical laboratories

GB 6944 Dangerous Goods Classification and Product Name Number

GB/T 8170-2008 Numerical Rounding Rules and Representation and Judgment of Limit Values

GB/T 8946 General technical requirements for plastic woven bags

GB/T 21621 Test method for metal corrosion of dangerous goods

GB/T 22592 General rules for the determination of pH value of water treatment agents

3 Terms and Definitions

There are no terms and definitions that need to be defined in this document.

4 Schematic

Aln(OH)mCl(3n-m) $0 < m < 3n$