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CCS G77



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

GB/T 17514-2017

Replacing GB 17514-2008

**Water treatment chemicals - Anionic and non-ionic
polyacrylamides**

水处理剂 阴离子和非离子型聚丙烯酰胺

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Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 17514-2008 "water treatment agent polyacrylamide." This standard compared with GB/T 17514-2008, the main The technical changes are as follows:

- The standard name was changed from "water treatment agent polyacrylamide" to "water treatment agent anionic and non-ionic polyacrylamide";
- Deletion of the determination of the degree of hydrolysis (see.2008 version 5.2);
- Increased determination of anionic degree (see 5.4).
- Determination of acrylamide monomer content by gas chromatography modified to liquid chromatography (see 5.5,.2008 edition 5.4.1);
- Remove the determination of acrylamide monomer content bromination method (see.2008 edition 5.4.2);
- Increased chloride and sulfate content indicators and determination methods (see Table 1 and 5.9,5.10). This standard proposed by the China Petroleum and Chemical Industry Federation. This standard by the National Standardization Technical Committee water treatment chemicals Technical Committee (SAC/TC63/SC5) centralized. This standard is drafted by CNOOC Tianjin Chemical Research and Design Institute Co., Ltd., Beijing Heng Ju Chemical Group Co., Ltd., Jiang Su Miao Miao Technology Co., Ltd., Ai Sen (China) flocculant Co., Ltd., Anhui Tianrun Chemical Industry Co., Ltd., Shandong Bao Mau Chemical Co., Ltd., Zhejiang Okawa New Materials Co., Ltd., Chongqing University, Chongqing Blue Jie Guangshun Water Purification Materials Co., Ltd., Jiashan Strait Water Purification Chemical Co., Ltd., Xiamen Blue Heng Environmental Protection Co., Ltd., Guangdong Xin Wang Technology Co., Ltd., Kemira (Shanghai) Limited management the company. The main drafters of this standard Zhu Chuanjun, Guo Waili, Wang Qin, Ling Jing, Liu Pengcheng, Hu Kuiling, Yu Yiping, Zheng Huaili, Zou Hong, Shen Liexiang, Wang Zhiwei, Wang Longqing, Liu Yi. This standard replaces the standards previously issued as.
- GB 17514-1998, GB/T 17514-2008. Water treatment agent Anionic and non-ionic

polyacrylamides

1 Scope

GB/T 17514-2017 is the Chinese national standard on water treatment chemicals - anionic and non-ionic polyacrylamides, 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 7 September 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 April 2018.

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 standard specifies the water treatment agent anionic and non-ionic polyacrylamide product requirements, test methods, inspection rules and signs, Packaging, transportation, storage and so on. This standard applies to anionic and non-ionic polyacrylamide products, the product is mainly used for drinking water, industrial water and wastewater, sewage Treated flocculants and sludge dehydrating agent.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs

GB/T 601 chemical reagent standard titration solution preparation

GB/T 603 chemical reagent test methods used in the preparation of preparations and products

GB/T 6003.1 Test sieves - Technical requirements and testing - Part 1. Wire mesh sieve test sieves

GB/T 6678 General rules for sampling chemical products General rules for sampling liquid chemical products

GB/T 6682 analytical laboratory water specifications and test methods

GB/T 8170 rounded repair rules and limit values of the representation and judgment Health drinking water chemical treatment agent health and safety evaluation (Wei Fa Jian Fa [2001] 161)

3 Chemical formula

Where M is H, NH₄ or Na and the like.

4 Requirements

4.1 Appearance. Anionic and non-ionic polyacrylamide solid products are white or yellowish particles or powder; anionic and non-ionic poly Acrylamide gel products are colorless or slightly yellow gums.

4.2 relative molecular mass. According to user requirements, the relative deviation from the nominal value of not more than 10%.

4.3 Anionity. The absolute difference between the anionic product and the nominal value is not more than 2%, or according to user requirements. Non-ionic products, Anion not more than 5%.

4.4 Solid content Anion and non-ionic polyacrylamide Solid content of solid products should meet the requirements of Table 1, anionic and non-ionic