

ICS 83.080.01

CCS G32



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

GB/T 13659-2008

Replacing GB/T 13659-1992

001x7 Strong acid polystyrene cation exchange resin

001×7 强酸性苯乙烯系阳离子交换树脂

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Quarantine of the People's Republic of China;
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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Model and main uses
- 4.5 Volume exchange capacity / (Mmol/mL) $\geq 1.90 \geq 1.80$

Foreword

This standard replaces GB/T 13659-1992 "001 x 7 strong acidic styrene cation exchange resin." Compared with GB/T 13659-1992, this standard main changes are as follows:

--- Softening and desalination uses different product categories specified index. The standard proposed by China Petroleum and Chemical Industry Association. This standard by the National Standardization Technical Committee plastic universal methods and products Club (SAC/TC15/SC4) centralized. Drafting of this standard. Zhejiang win glory Industrial Co., Ltd., Xi'an Thermal Power Research Institute Co., Ltd., Zibo East Chemical Co. Ltd., Jiangsu Su Qing water treatment project Corporation, the State Quality Inspection Center of synthetic resin. The main drafters of this standard. Shen Jianhua, Wang Guangzhou-Zhuhai, laufach Yong Di Jinghua, Qian Ping, Wang Jiandong. This standard replaces the standards previously issued as follows:

--- GB/T 13659-1992. 001 x 7 strong acidic styrene Cation exchange resin

1 Scope

GB/T 13659-2008 is the Chinese national standard on 001x7 strong acid polystyrene cation exchange resin, in the field of rubber and plastic industries. 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 30 June 2008 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 2009. Classification: ICS 83.080.01, CCS G32. 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 001 x 7 strong acidic styrene cation exchange resin of the technical requirements, test methods, inspection rules and signs, including Loading,

transportation and storage requirements. This standard applies to the 001 x 7 strong acidic styrene cation containing a sulfonic acid group-exchange resins.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 1631 ion exchange resin naming system and basis for specifications

GB/T 5475 sampling ion exchange resin pretreatment method

GB/T 5476 ion exchange Resin Determination for water

GB/T 5757 ion exchange Determination of the resin particle size, effective size and uniformity coefficient of

GB/T 5758 ion exchange Determination of true density

GB/T 8330 wet ion exchange resin Resins in wet density determination method GB/T 8331 ion exchange

GB/T 8144 Determination of cation exchange capacity of the resin exchange

GB/T 12598 ion exchange resin infiltration ball mill rate, after the ball mill rate determination

3 Model and main uses

001 x 7 strong acidic styrene type cation exchange resin according to GB/T 1631 establishment. The products are mainly used for water softening, Pure water, hydrometallurgy and so on. 4. Technical Requirements

4.1 Appearance Brown to brown spherical particles.

4.2 Finished form Sodium.

4.3 Physical and Chemical Properties Physical and chemical properties shall be in accordance with Table 1, Table 2, as specified in the technical indicators. Table 1 desalination with 001 x 7 strong acidic styrene cation exchange resin (sodium form)
Technical requirements Item 001 x 7 001 x 7FC 001 x 7MB Total exchange capacity / (Mmol/g) >=