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

中华人民共和国国家标准

GB/T 2881-2008
Replace GB/T 2881-1991

Silicon metal
工业硅

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Quarantine of the People's Republic of China and Committee of
Standardization Administration of the People's Republic of China**

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Foreword

This Standard replaces the GB/T 2881—1991 *Technical Requirements for Silicon Metal*.

This Standard, in comparison with GB/T 2881—1991, have the major changes as follows:

——Change the name of the Standard from Technical Requirements for Silicon Metal to *Silicon Metal*.

——The mark of chemical silicon increase from the original two to four, changing the original limit to the content of silicon, ferrum, aluminum and calcium elements. Metallurgical silicon also changes the limit to the content of silicon, ferrum, aluminum and calcium elements.

——Particle size range retains original 6mm-200mm, increased three particle size fraction.

——Modify the sampling method in 4.4.1 of the original Standard.

——Modify the “All sampled samples shall pass the standard screen of 0.175 mm” in 4.4.2 of the original Standard to “pass the standard screen of 0.149 mm”.

This Standard is proposed by China Nonferrous Metals Industrial Association.

The Standard is centralized by the National Nonferrous Metals Standardization Technical Committee.

This Standard is drafted by: Shanxi Jinneng Group Co., Ltd., Baotou Aluminium Co., Ltd., China Nonferrous Metals Industry Standard Measurement Quality Research Institute.

The main drafters of this Standard: Zhang Yao, Wang Zhiming, Dong Zhizhong, Dong Jianxiong, Luo Zhongchen, Shen Qinghua.

The issuances of previous versions of the Standard replaced by this Standard are as follows:

——GB/T 2881—1981, GB/T 2881—1991

Silicon metal

1 Scope

This Standard regulates the requirements, test methods, inspection rules, marking, packaging, and transportation, storage of silicon metal and the content of order form or contract.

This Standard applies to the silicon metal produced from the smelting of carbonaceous reductant and silica in the submerged arc furnace, mainly used for preparation of alloy, extraction of polycrystalline silicon and manufacturing of organic silicon etc.

2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 8170 Rules of rounding off for numerical values & expression and judgement of limiting values

GB/T 14849 (All parts) Methods for chemical analysis of silicon metal

3 Requirement.

3.1 Chemical composition

The chemical composition of silicon metal shall conform to the provisions of Table 1.



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