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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 5293-1999

Replaced GB/T 5293-1985

**Carbon Steel Electrodes and Fluxes for
Submerged Arc Welding
埋弧焊用碳钢丝和焊剂**

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

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Foreword

This standard revised on the GB/T 5293—1985(Carbon steel electrodes and fluxs for submerged arc welding) according to the ANSI/AWS A5.17—89(Regulation for carbon steel electrodes and fluxs for submerged arc welding), the technical contents were same with this regulations.

Emending GB/T 5293—1985 according to the ANSI/AWS A5.17, keep down the contents that are fit for the technical requirements of national welding materials in the GB/T 5293—1985, and it supply the use divisions to more full understand the relation of the welding wires, welding materials and mechanical property of the deposited metal that welding wires and welding materials are first compiled in one standard. The technical contents of this standard are more strict.

This replaced the GB/T 5293—1985 from the execution.

The annex A and B of this standard are cue annex.

This standard was brought forward by the National Machinery Industry Bureau.

This standard was under the jurisdiction of the National Welding Standardization Administration.

The draft divisions were Haerbin Weldine Institue, Jinzhou Tiane Welding Materials Group Co., LTD, Shanghai Welding Rod and Flux Factory.

The main draftsmen of this standard were Heshaoqing, Shianran, Lichunfan, Jilongxia

Carbon Steel Electrodes and Fluxes for Submerged Arc Welding

1 Scope

This standard specifies the contents such as the model class, technology requirements, test method and check regulation of carbon steel electrodes and fluxes for submerged arc welding.

This standard is suitable for the carbon steel electrodes and fluxes for submerged arc welding.

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 700-1988 Carbon structural steel

GB/T 1591-1994 Low alloy high tensile structural steel

GB/T 2650-1989 Impact test method for welding joint

GB/T 2652-1989 Tensile test method for weld and deposited metal

GB/T 3323-1987 Ray photo and quality class for steel melt welding joint

GB/T 3429-1994 Steel disk for welding

GB/T 12470-1990 Fluxes for low alloy steel submerged arc welding

GB/T 14957-1994 Steel wire for melt welding

JB/T 7948.8-1999 Chemical analysis method for melt fluxes Mo blue light method to

measure JB/T 7948.11-1999 Chemical analysis method for melt fluxes Bure-Di method
measure S quantity

3 Model Class



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