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

GB/T 26952-2011

**Non-destructive testing of welds -- Magnetic particle testing of
welds -- Acceptance levels**

(English Translation)

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Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard is modified from ISO 23278.2006 "Non-destructive testing of welds -- Magnetic particle testing of welds -- Acceptance levels" by redrafting method.

The technical differences between this Standard and ISO 23278.2006 and the reasons are as follows.

-- For normative references, this standard has made technical adjustments to suit the technical conditions of our country, which are reflected in Chapter 2, "Normative references". The details are.

lambda Replace EN 1330-7 by GB/T 12604.5 (see Chapter 3);

lambda Replace ISO/TS 18173 by GB/T 20737 with equivalent international standards (see Chapter 3);

lambda Replace ISO 17638 by GB/T 26951, which adopts modified international standards (see Chapter 1);

lambda Removed ISO 5817;

lambda Removed ISO 17635;

lambda Removed EN 1330-2.

This Standard was proposed by and shall be under the jurisdiction of the National Welding Standardization Technical Committee (SAC/TC 55).

Drafting organizations of this Standard. Shanghai Test Inspection Technologies Co., Ltd., Shanghai Chengyou Group Co., Ltd., Shanghai New Meida Inspection Equipment Co., Ltd., Tianjin Chengxinda Metal Testing Technology Co., Ltd., Harbin Boiler Factory Co., Ltd., Shanghai Material Research Institute.

1 Scope

This Standard specifies the acceptance levels of magnetic particle test indication for deficiencies in ferromagnetic steel welds.

This acceptance levels are mainly used for manufacturing inspection and, if deemed appropriate, for in-service inspection.

The acceptance levels in this standard is based on the test capability expected to be achieved as per the method specified in GB/T 26951 and the parameters recommended in Appendix A. Acceptance levels are related to welding standards, application criteria, technical conditions and regulations. More information about the indicated acceptance levels can be found in the product or application criteria.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 12604.5 Non-destructive testing. Terminology. Terms used in magnetic particle testing

GB/T 20737 Non-destructive testing. General terms and definitions (GB/T 20737-2006, ISO/TS 18173.2005, IDT)

GB/T 26951 Non-destructive testing of welds. Magnetic particle testing (GB/T 26951-2011, ISO 17638.2003, MOD)

3 Terms and definitions

The terms and definitions defined in GB/T 12604.5 and GB/T 20737 and below shall apply to this document.

3.1 Linear indication

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