

ICS 77.080.01



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

GB/T 223.64-2008

Replacing GB/T 223.64-1988

**Iron, steel and alloy -- Determination of manganese content --
Flame atomic absorption spectrometric method**

钢铁及合金 锰含量的测定 火焰原子吸收光谱法

(English Translation)

Issued on: May 13, 2008

Implemented on: November 1, 2008

Issued by: SAMR; SAC

Table of Contents

- 1 Scope
- 2 Normative references
- 4.1 Pure iron, manganese-free or known residual manganese content.
- 4.2 Hydrochloric acid, ρ approximately 1.19 g/mL.
- 5.1.1 Minimum precision (see Appendix A.1)
- 5.1.3 Calibration curve linearity (see Appendix A.3)
- 5.2 Auxiliary devices
- 7 Analysis steps
- 7.1 Sample volume
- 7.3 Determination
- 7.3.1 Preparation of test solution
- 7.3.2.1 Manganese content (mass fraction) below 0.10%
- 7.3.2.2 Manganese content (mass fraction) 0.10% ~ 0.40%
- 7.3.2.3 Manganese content (mass fraction) at 0.40% ~ 2.0%
- 7.3.3 Preparation of calibration solution
- 7.3.3.1 Manganese content (mass fraction) below 0.10%
- 7.3.3.2 Manganese content (mass fraction) is 0.10% ~ 0.40%
- 7.3.3.3 Manganese content (mass fraction) is 0.40% ~ 2.0%
- 7.3.4 Atomic absorption spectrometer adjustment
- 7.3.5 Atomic Absorption Device Optimization
- 7.3.6 Spectral measurement
- 7.4 Calibration curve drawing
- 8.1 Calculation method
- 8.2 Precision

What is delivered

The English PDF of this standard, delivered to your email address.

Instant delivery: the file is sent automatically after payment.