

ICS 77.040.99
CCS H24

YB

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

YB/T 6432-2026

**Determination of solidus/liquidus temperature of iron and steel
- Thermal analysis method**

钢铁固/液相线温度测定 热分析法

(English Translation)

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Foreword

YB/T 6432-2026 is a recommended industry standard of the People's Republic of China in the Ferrous Metallurgy sector, approved and issued by the Ministry of Industry and Information Technology on 16 April 2026, with effect from 1 November 2026.

It is administered by the National Technical Committee for Steel Standardization.

Classification: ICS 77.040.99; CCS H24.

1 Scope

YB/T 6432-2026 specifies a thermal analysis method for determining the solidus and liquidus temperatures of iron and steel. It sets out the principle of the method, the test equipment and its calibration, the preparation of test pieces, the measurement steps, the treatment of data and the test report. It applies to the determination of both the solidus temperature and the liquidus temperature of iron and steel.

Steel producers, metallurgical research institutes, casting and process development teams and testing laboratories are the intended users. It is a voluntary standard, as the /T in the code indicates. It was approved by the Ministry of Industry and Information Technology, issued on 16 April 2026 and takes effect on 1 November 2026. It is a new standard.