

ICS 77.060  
CCS H25



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

**GB/T 16545-2025**

Replacing GB/T 16545-2015

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**Corrosion of metals and alloys - Removal of corrosion products  
from corrosion test specimens**

金属和合金的腐蚀 腐蚀试样上腐蚀产物的清除

**(English Translation)**

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### Foreword

GB/T 16545-2025 is a recommended national standard (GB/T) of the People's Republic of China, issued on 30 June 2025 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 January 2026.

This edition replaces GB/T 16545-2015.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the China Iron and Steel Association.

Classification: ICS 77.060; CCS H25.

### 1 Scope

After a corrosion test, specimens are covered in corrosion products, and these must be removed before the metal loss can be assessed fairly. This standard deals with removing corrosion products from corrosion test specimens of metals and alloys, so that weighing and examination reflect the condition of the underlying metal.

It is intended for corrosion laboratories, materials research groups, coating and alloy developers, and testing houses that run immersion, atmospheric or field exposure programmes. Consistent cleaning practice matters because the way products are removed can itself change the result, and a shared national reference helps different laboratories report comparable findings.

The 2025 edition was issued on 30 June 2025 and takes effect on 1 January 2026. It replaces GB/T 16545-2015. As a recommended national standard it is voluntary unless cited in a test plan, product standard or contract. Laboratories should check their written procedures against the new edition when it comes into force.