

ICS 03.120.20
CCS A 00

RB

**CERTIFICATION AND ACCREDITATION INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

RB/T 144-2018

**Guidance of technical competence assessment for testing body
in building materials field
(English Translation)**

Issued on: June 4, 2018

Implemented on: December 1, 2018

Issued by: National Certification and Accreditation Administration

Table of Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Evaluation Principle

5 Evaluation method

6 Evaluation organization

7 Review content

Appendix A (normative appendix) Common material testing technology capability evaluation focus points in the field of building materials

Appendix B (Normative appendix) Some materials hazardous substance detection technology capability evaluation focus points

Foreword

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

This standard was proposed and managed by the National Certification and Accreditation Administration Committee.

Drafting organizations of this standard. China National Accreditation Center for Conformity Assessment, China Academy of Building Research, Shanghai Academy of Building Research (collectively Group) Co., Ltd., School of Materials Science and Engineering, Tongji University, Beijing Institute of Construction Engineering Co., Ltd., Jiangsu Transportation Research Institute Research Institute Co., Ltd., Shenzhen Academy of Building Research Co., Ltd.

Introduction

The purpose of this standard is to guide the evaluation of the technical capabilities of testing institutions in the field of building materials, standardize the evaluation process, and ensure the fairness and accuracy of the evaluation results Improve the efficiency of evaluation work at the same time.

This standard is based on GB/T 27025 and related testing standards, combined with the actual evaluation of the technical capabilities of testing institutions in the building materials

field.

The refinement of related work. This standard mainly includes cementitious materials, concrete and mortar materials, metal materials, masonry materials, waterproof materials, Decoration materials, bonding and sealing materials, thermal insulation systems and materials, pipe network materials, wooden materials, curtain wall doors and windows and materials, concrete products, anti-corrosion materials, the focus of technical capability evaluation of geotechnical materials, traffic highway materials, and materials for hazardous substances. Concerns about the evaluation of technical capabilities of other building materials You can also refer to the relevant requirements of this standard.

This standard is not to be used as a basis for independent judgment of whether the testing organization meets the requirements of relevant laws, regulations and standards.

Guidelines for the Evaluation of Technical Ability of Testing Institutions in the Building Materials Field

1 Scope

This standard provides guidelines for the evaluation principles, evaluation methods, evaluation organization and evaluation content of the technical capabilities of testing institutions in the field of building materials.

This standard applies to the evaluation of the technical capabilities of testing institutions in the field of building materials.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 606 General method for moisture determination of chemical reagents Karl Fischer method GB/T 2793 Determination of non-volatile content of adhesives GB/T 3186 Sampling of paints, varnishes and raw materials for paints and varnishes GB/T 4615 Determination of Residual Vinyl Chloride Monomer in Polyvinyl Chloride Gas Chromatography GB/T 6750 Determination of the density of paints and varnishes-Pycnometer method GB/T 6751 Determination of volatile and non-volatile matter in paints and varnishes GB/T 11835 Rock wool, slag wool and their products for thermal insulation GB/T 13350 Glass wool and its products for thermal insulation GB/T 13354 Liquid Adhesive Density Determination Method Gravimetric Cup Method GB/T 17657 Test method for physical and chemical properties of wood-based panels and facing wood-based panels GB/T 17795 Glass wool products for building thermal insulation GB 18580 The limit of formaldehyde emission in wood-based panels and products for indoor decoration and refurbishment materials GB 18583-2008

Limits of harmful substances in adhesives for interior decoration materials GB/T 19686
Rock wool insulation products for construction GB/T 27025 General requirements for the
competence of testing and calibration laboratories

3 Terms and definitions

The terms and definitions defined in GB/T 27025 apply to this document.

4.1 Pay attention to the resource allocation of testing agencies

Pay attention to the allocation of resources such as personnel, equipment, standards, environment, and information management system required for testing capabilities.

4.2 Pay attention to special testing items

Distinguish the technical characteristics of different building materials testing, and pay attention to the higher-risk testing items.

4.3 Pay attention to actual operation ability

Pay attention to the compliance and proficiency of the inspection personnel's actual operation with the standard prescribed methods.