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**Technical requirements and acceptance specification for  
inspection and testing laboratories**

检验检测实验室技术要求验收规范

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## Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard was proposed by the China Machinery Industry Federation. This standard is under the jurisdiction of the National Laboratory Equipment and Equipment Standardization Technical Committee (SAC/TC526). This standard was drafted. Huinuode (Beijing) Technology Co., Ltd., Tsinghua University Architectural Design and Research Institute Co., Ltd., machinery industry equipment Instrument Integrated Technology and Economic Research Institute, Shenzhen Entry-Exit Inspection and Quarantine Bureau Food Inspection and Quarantine Technology Center, Nanjing Product Quality Supervision and Inspection Institute, Yunnan Entry-Exit Inspection and Quarantine Bureau Technology Center, Shenzhen Huazheng Laboratory Technology Service Co., Ltd., Standards Technical Service Co., Ltd. Division, Suzhou UL Meihua Certification Co., Ltd., Xude Automation System (Shanghai) Co., Ltd., Guangdong Entry-Exit Inspection and Quarantine Bureau inspection and quarantine technology Center, Deyang Zhongzheng Technology Co., Ltd., Shaoxing Quality and Technology Supervision and Inspection Institute, China Metrology University. The main drafters of this standard. Huang Jianyu, Zhang Guiling, Sheng Wenge, Li Xiuying, Wang Chengcheng, Liu Jianhua, Yan Wei, He Xiaoyan, Qi Xiegui, Yang Lingchun, Hou Lexi, Tong Dawei, Chen Yu, Xu Hua, He Neng, Yan Xin, Li Siyuan, Liu Yuling, Liu Dong, Cui Yanhui, Zhou Zuo, Wang Lei, Yan Huaijiang, Huang Xinghai, Yan Feng, Wei Jun, Zhang Hong, Lu Xinxin, Huang Yu. Inspection and testing laboratory technical requirements acceptance specification

## 1 Scope

China's national technical requirements and acceptance specification for inspection and testing laboratories. It specifies the terms and definitions, the general provisions, the location and layout, the evaluation and control of the main items, and the requirements on the architecture and structure. This is about the building rather than the management system: the accreditation standards say what a laboratory must do, and this says what the premises must be for those things to be possible. Location and layout come first because they are the decisions that cannot be corrected later - a vibration-sensitive instrument beside a road, a clean area downwind of a workshop, or a sample reception with no route to the laboratory that does not cross a corridor. The rest follows from what the work needs: separation of incompatible activities, control of temperature and humidity, services that do not fail, and the shielding, earthing and air handling that particular measurements require.

This standard specifies the acceptance specifications for the technical requirements of inspection and testing laboratories, including the general rules for design and construction acceptance, site selection and plane cloth. Bureau, building structure and decoration, water supply and drainage system, heating and ventilation and air conditioning, building electrical, gas pipeline, laboratory furniture, intelligent and Control, safety and protection, energy conservation and environmental protection, design review and use acceptance. This standard applies to the design and construction of inspection, testing laboratories for new construction, alteration and expansion, as well as the review of design documents by the construction party. Use acceptance. This standard does not apply to biosafety, animal and plant testing, purification and medical laboratories.

## 2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB 2894 safety signs and guidelines for their use

GB 3095 Ambient Air Quality Standard

GB 3836.14 Explosive atmosphere - Part 14. Site classification

GB 4962 Hydrogen Safety Technical Regulations

GB 5749 Sanitary Standard for Drinking Water

GB 6566 building materials radionuclide limited

GB/T 6682 Analytical laboratory water specifications and test methods

GB/T 7144 gas cylinder color mark Basic identification color, identification symbol and

safety identification of

GB 7231 industrial pipeline

GB 8978 Integrated Wastewater Discharge Standard

GB/T 9361-2011 Computer Site Safety Requirements

GB/T 10071 Urban area environmental vibration measurement method

GB/T 11651 personal protective equipment selection specification

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