

# ISO/IEC 17025 NABL Certification



## What is ISO 17025?

ISO 17025 is a company level accreditation which ensures that all the general requirements for the competence of testing and calibration laboratories are met effectively. As per International Organization for Standardization, the ISO 17025 applies to all organizations conducting laboratory activities, regardless of the company size. ISO 17025:2017 is the current, revised standard. This standard is accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL). ISO 17025 was published with collaboration between the International Organization for Standardization (ISO) and the International Electro technical Commission (IEC).

ISO 17025 standard covers major sections like

- Management Requirements (primarily related to the operation and effectiveness of the quality management system within the laboratory)
- Structural Requirements (primarily defines the basic organizational components of a laboratory, its range of activities, and its commitment to an effective management system)
- Resource Requirements (primarily addresses the requirement for the laboratory to have available the personnel, facilities, equipment, systems, and support services necessary to perform its laboratory activities)
- Technical Requirements (primarily related to the competence of staff and calibration of equipment)
- Any other requirements related to Quality Management like documentation, corrective actions on non-conformities etc.

ISO 17025 certification allows the laboratories around the world to demonstrate that they operate competently and generate valid results, thereby promoting confidence to their clients of their work both nationally & internationally. ISO 17025 is important as it assists in the harmonization of procedures and standard methods, facilitates cooperation between laboratories and other bodies, and promotes the acceptance of results between countries. It is important for the Laboratories to pass the audits to secure ISO 17025 accreditation. Passing the audits equates to proof of an effective Quality Management System (QMS).

## What are the Focus Points of – ISO 17025 Implementation?

- Streamlining and Standardizing the Laboratory needs and its processes
- Formulating Quality Policy and Objectives of the laboratory processes
- Setting up system for documentation and records.
- Documentation Review and Gap Analysis
- Management information system
- Risk management for the business
- Equipment and Calibration Procedure
- Customer Service Procedure
- Test and Calibration Method Procedure
- Calibration Report and Certificate Requirements Procedure
- Performance and sustainability

## What are the documents required for ISO 17025 certification?

The organization shall demonstrate continual improvement in this field by maintaining, establishing, implementing and providing documented information.

The documented information required for ISO 17025 registration

Document and Record Control Procedure

Organizations Quality Policy and objective

- Competence, Training and Awareness Procedure
- Externally Provided Products and Services Procedure
- Facilities and Environment Procedure
- Equipment and Calibration Procedure
- Customer Service Procedure
- Test and Calibration Method Procedure Quality Assurance Procedure
- Sampling Procedure
- Handling of Laboratory Test or Calibration Items Procedure
- Complaint, Nonconformity and Corrective Action Procedure
- Testing Report Procedure
- Calibration Report and Certificate Requirements Procedure

## **Who all are eligible for ISO 17025 Certification?**

- Any organization conducting laboratory activities/operations.

## **How will ISO/IEC 17025 Certification benefit your Organization?**

- Creates a proactive risk based business and quality culture
- Assures your Laboratories' Creditability
- Creates professional working environment
- Increase your customer's confidence
- Enhance Global Business

## **How did ISO 17025 evolve throughout the year?**

- Year 1999 – Publication of ISO/IEC guide 25
- Year 2005 – 1st Revision of the standard (Comprising of 5 elements)
- Year 2017 – 2nd Revision of the standard (Comprising 10 elements)

## **What is the validity of the ISO 17025 Certification?**

- The validity of the ISO 17025 Certification is 5 Years.

## **What is the frequency of ISO audit for ISO 17025 Standards during the validity period?**

- One year is the frequency of ISO audit for ISO 17025 L Standards during the validity period.

## **What specifically is NABL standard?**

- NABL accredits laboratories that perform tests and calibrations in accordance with ISO 17025 and ISO 15189 in the Major Fields of Science and Engineering. Accreditation for proficiency testing providers and reference material manufacturers is also provided by NABL-ISO 17025.

## **What does a NABL test report entail?**

- Conformity Assessment Bodies are accredited by the National Accreditation Board for Testing and Calibration Laboratories (NABL) (Laboratories). In addition, NABL has APLAC MRA accreditation for proficiency testing providers and reference material suppliers.

## **Is being NABL certified a requirement?**

- Although NABL accreditation is not required, it recognises labs or company's organically created quality, reputation, and customer trust. Many NABL labs in Delhi and other areas of the world do chemical, material, and medical testing, among other things.

## **What is the best way to tell if my NABL certificate is still valid?**

- Visit [www.nabl-india.org](http://www.nabl-india.org) to find a NABL accredited laboratory. When you place your cursor on laboratory search, a drop-down menu will appear; select accredited laboratory from the list. Select field testing and click on search to see all NABL authorized testing laboratories. There will be a complete list available.

## How will PQSmitra help you with Hassle Free Implementation process for ISO 17025 Certification?

ISO/IEC 17025 certification is important and demanding across the globe. The number of certified organizations in India is very less as compared to the number of organizations certified to other standards such as ISO 9001 etc. NABL certification requires 100% compliance to the standard and procedures laid down by the organization. Hence system implementation as per laboratory requirements requires a very systematic approach and errorless documentation approach.

PQSmitra has helped many organizations achieving this mark of excellence. The simple and practical method of system implementation helps organizations to set up a robust and effective system.

PQSmitra offers 100% support for documentation compliance in addition to onsite guidance for effective implementation. The implementation process is described below:

- Initial visits and review of the existing system
- Gap analysis and planning for the documentation (Records and Procedures)
- Training and Hand holding/ support for implementation
- Identification of product technical requirements
- Corrective and Preventive Action
- Measurement Traceability and Calibration
- Handling of Test Items
- Quality Control and Verification
- Preparation, Review, and Issue of Test Certificates and Reports Features
- Internal audit for verification of implemented system
- Management review
- Closure of non-conformities
- Certification Reward to the organization



## PQSmitraService Features appreciated by clients



Simple &  
Practical Approach



21 Years of  
Service



2500+  
Successful Projects



5,56,000+  
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# PQSmitra

Simple & Practical

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