

ACCREDITATION

The action or process of officially recognizing someone as having a particular status or being qualified to perform a particular activity.

PURPOSE OF ACCREDITATION

- ✘ to determine if an institution or an organization meets or exceeds minimum standards of quality

WHAT DOES ACCREDITATION STATUS MEAN?

- ✘ Accreditation is a **status** granted to an organization or institution that has been found to meet or exceed stated criteria .

WHAT ARE THE DIFFERENT TYPES OF ACCREDITATION?

- ✘ The main types of accreditation are granted by
 - 1.regional
 - 2.national and
 - 3.international accreditation agencies.

Other types of accreditation cover specific fields

1. business,
2. education,
3. law, and
4. medical accreditation.

PROCEDURE TO MAKE LAB ACCREDITATED

Inorder for a lab to be accredited it must prove

× Management

1. staff
2. lab
3. documents and records

× Performance

it has high quality system of precision and accuracy

How much precise or accurate results are required

× **Competent staff**

Trained staff

Periodic training

× **use of valid test methods**

Use of standard operational procedures from sampling ,handling, testing & reporting

Suitable environment to work

Ensuring of clean & working environment

✘ Use of SRM's

Use of standard reference materials

- ISO (international organization of standardization)
- NIST (national institute of standard technology)
- ASTM(American society for testing and materials)

- ✘ **Maintenance of equipments and instruments**

Frequent calibration of instruments and equipment

- ✘ **Maintenance of documents and records**

Documents and files should be updated for reporting

× Archiving

All the records should be archived from sampling to reporting in USB,CD,hard copies.

× Use statistical tools

Draw bar graphs, control charts, cause and effect diagram, scattered diagram etc. for authentication of your results.

✘ Use of quality assurance procedures

Use of blanks

Use of standards

Use of duplicate analysis

Comparing results of one lab with other

✘ Accreditation bodies

Typically these bodies encompass accreditation programs for management systems, product certification, laboratory, inspection, personnel and others to recognize each other's accreditations,

International Laboratory Accreditation

Cooperation (ILAC) worked to establish methods of evaluating accreditation bodies against another ISO/CASCO standard (ISO/IEC Guide 58 - which became ISO/IEC 17011).

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- ✘ The American Association for Laboratory Accreditation (A2LA)
 - ✘ Perry Johnson Laboratory Accreditation (PJLA)
 - ✘ Standards Council of Canada
 - ✘ The Canadian Association for Laboratory Accreditation