



Summary

**MICROSCOPES — SLIPS AND SLIDES — SPECIFICATION
PART 1 MICROSCOPE SLIPS
PART 2 MICROSCOPE SLIDES**

IS 3099 (Part 1 and 2) : 1992

A **microscope slide** is a thin flat piece of glass used to hold objects for examination under a microscope. Microscope slides are often used together with a **cover slip** or cover glass, a smaller and thinner sheet of glass that is placed over the specimen.

The microscope slips and slides covered in this standard are used for the transmitted light microscopy in the **visible spectral range**. These are meant for **general purpose use** in laboratories, while for research and other special purposes, cover slips having a much finer tolerance may have to be used.

When choosing microscope slips and slides, customer look for the following features:

- **Material:** The glass should be of high quality.
- **Cleanliness:** It should be free from defects and clean to avoid distortions in the specimen's view.
- **Compatibility:** It should be compatible with most microscopes.
- **Edges:** The edges should be smooth to prevent cuts or injuries.
- **Transparency:** It should be transparent to ensure optimal imaging.

The above expectations of customer are fulfilled by Indian Standard **3099 (Part 1 and 2)**. One of the most important properties being **refractory index**, the same has been specified for the raw material. The dimensions other than thickness are not restricted and may be supplied as agreed between manufacturer and purchaser.

Visible seed, parallelism, edge quality, surface finish and sampling criteria are other major sections covered in the standard, so that customer's get **Value for Money**.