

IS 2619:2018

Glass beakers

A beaker, though a simple container, is a vital tool in the laboratory for stirring, mixing, and heating liquids. These glass vessels play an essential role in scientific research and experimentation, acting as fundamental instruments for a wide range of processes, from basic measurements to intricate chemical reactions. Beakers are typically cylindrical with a flat bottom, offering stability and ease of use. In laboratory settings, glass beakers are crucial, and ensuring their compliance with established standards guarantees their safety, accuracy, and durability.

The Bureau of Indian Standards (BIS) first published the standard for glass beakers in 1963, with revisions in 1971 and 1993 to reflect technological advancements. The most recent revision aligns the standard with the latest international benchmark, **ISO 3819: 2015**, ensuring global consistency in design and quality. This standard outlines the specific requirements for the types, dimensions, materials, and construction of glass beakers used in laboratories, helping to maintain reliability and precision in scientific work.

By adhering to these updated guidelines, manufacturers and laboratories ensure that their glass beakers meet rigorous performance criteria, providing researchers with trusted tools for their experiments and measurements.