

IS 2619:2018

Glass beakers – Specification

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)** published the first standard for glass beakers (**IS 2619**) 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, capacity, dimensions, materials and design of 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**.