

Friability Test Apparatus



A Friability Test Apparatus is a laboratory instrument used in the pharmaceutical industry to measure the friability (tendency to crumble or break) of tablets during handling, packaging, and transportation. It evaluates the mechanical strength of tablets under stress.

Key Features:

- Consists of a rotating drum (usually made of transparent plastic).
- Operates at a standard speed of 25 ± 1 rpm.
- Tablets are subjected to 100 revolutions (or as specified in pharmacopeial standards).
- The weight loss of tablets after the test indicates their friability.

Testing Procedure:

1. Weigh a specific number of tablets (typically 6.5g).
2. Place them in the drum.
3. Run the apparatus for a set number of revolutions (usually 100).
4. Remove and weigh the tablets again.
5. Calculate the percentage weight loss using the formula: