

POWDER FLOWABILITY TESTER EFT-01



Powder Flowability Tester EFT-01 enables precise evaluation of flow characteristics, streamlining the preparation for tableting or capsule-filling processes. It establishes a dependable flowability index for procurement and quality assurance, reducing variability in product uniformity.

The test considers multiple factors influencing powder flow, including particle size and shape, surface area of fine particles, actual and bulk density, porosity, settling behavior, and electrostatic charge.

APPLICATIONS

- **Tablet Manufacturing** – Evaluates powder flow behavior to ensure uniform die filling and consistent tablet weight.
- **Capsule Filling** – Determines powder flow index to prevent clumping or irregular dosing during capsule production.
- **Pharmaceutical R&D** – Supports formulation studies by analyzing the impact of particle size, density, and electrostatic charge on flowability.
- **Procurement and Quality Assurance** – Establishes a standardized flowability index for raw material acceptance and supplier evaluation.
- **Granule and Powder Processing** – Optimizes blending, granulation, and packaging processes by predicting powder handling performance.
- **Regulatory Compliance** – Provides testing in accordance with USP and Ph. Eur. specifications for validated pharmaceutical workflows.

FEATURES

- Complies with USP and Ph. Eur. Specifications
- Provides a simple and repeatable flowability index for powders and granules
- Allows for easy calculation of the angle of repose
- Comes with outflow openings of 10 mm, 15 mm, and 25 mm as per Ph. Eur. standards
Customized openings, such as 5 mm, 10 mm, 15 mm, etc., are also available.

- Includes a cylinder with interchangeable discs featuring holes of various diameters
- Offers a straightforward and repeatable index of flowability for powders
- Determines the repeatable flowability index of powders on a scale of 4-40
- Enables flowability testing before setting up tableting or capsule filling equipment
- Helps establish a reliable flowability index for purchasing and quality assurance, thus preventing a high coefficient of variation in product uniformity
- The test considers various parameters affecting powder flowability, such as particle size and shape, "fines" unit surface, actual and bulk density, porosity, settling, and electrostatic charge
- Includes a complete set of index flow disks
- Dimensions (cm): 31 W x 41 H x 23.

Machine is offered with various outflow openings as per Ph. Eur:

1. 10 mm
2. 15 mm
3. 25 mm
4. Customized openings are also available



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