

Labycare-Bulk Density Apparatus. (SKSSBDA875)



Bulk Density Apparatus is a specially designed to study the packing down of powder beds of different pharmaceutical and chemical powders, flakes, pellets, granules and other bulk substances. Bulk Density is an essential test required in the process of tablet, capsule filling and cosmetic manufacturing

Description :

The bulk density of a powder is the ratio of the mass of a powder sample and its volume. The bulk density is expressed in grams per mL (g/mL) or g/cm³. It is divided into loose bulk density and tapped bulk density. The bulk density of a powder is often very difficult to measure with good reproducibility. Bulk is a place to know more about bulk density including BULK density equipment, bulk density apparatus, bulk density testers, Scott volumeters, bulk density funnels, tap density testers, as well as bulk density testing methods, bulk density measurement, determination of bulk density of powders. La Bulk is a famous brand of HMK Test concerning bulk density. The total bulk powder volume includes particle volume, inter-particle void volume, and internal pore volume. Bulk density is not an intrinsic property of a material; it can change depending on how the material is handled.

Specifications :

MODEL: SKBDA2A

- Incorporated with Advanced Microcontroller.
- Equipped with Built-in Validation Facility.
- Test method storage facility for 24 test methods.
- Auto Tap repeat facility till the test is completed.
- Calculates Bulk Density, Tapped Density, Compressibility Index and Hausner Ratio.
- Simultaneous rotating and tapping of the cylinders.
- Compliant with USP – I and USP – II methods.

- Also available as per ASTM Standards.
 - Optional Acoustic Cabinet for noise reduction.
 - Compliant with USP Specifications:
 - Method USP - I:
 - TAP HEIGHT: 14 mm +/- 2 mm
 - TAPPING RATE: 300 taps/min approx.
 - Method USP - II:
 - TAP HEIGHT: 3 mm +/- 10 % (+/-0.3 mm)
 - TAPPING RATE: 250 taps/min approx.
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