


# STANDARD OPERATING PROCEDURE OF FRIBILITY TEST APPARATUS

 <p><b>B.L.D.E.A'S SSM COLLEGE OF PHARMACY AND RESEARCH CENTRE, VIJAYAPUR-586 103</b></p>	<b>DEPT: PHARMACEUTICS</b>	<b>SOP NO:</b>
	<b>AREA: PHARMACEUTICS LABORATORY</b>	<b>PAGE NO: 1 - 2</b>
	<b>SUBJECT: SOP OF BULK DENSITY APPARATUS</b>	<b>EFFECTIVE DATE: 25/02/2022</b>
		<b>REVIEW PERIOD: 25/02/2023</b>

## **Purpose:**

To provide a procedure for the operating of Bulk density Apparatus

## **Scope:**

Applicable to operation of Bulk density Apparatus

## **References:**

Equipment Manual

## **Safety Issues and Precautions:**

- Wore Head cap, Mask, Hand gloves and other safety requirements during the performance of stated activity
- Please make the entry of Usage with require details in the Equipment log book
- Handle the Instrument properly with care

## **Procedure:**

- 1) Connect the Instrument to the Power Supply.
- 2) Switch ON the instrument.
- 3) Weigh 10g of sample and transfer it to 50ml measuring cylinder.
- 4) Fix the measuring cylinder on the bulk density stand.
- 5) Set the apparatus to the required strokes by adjusting knob.
- 6) The apparatus starts working and stroke rate displayed on the screen.

- 7) After the completion of the specified stroke. The apparatus will go OFF automatically with buzzer.
- 8) For repeating the analysis. Press the reset key.
- 9) Switch OFF the main after analysis.
- 10) Calculate the bulk density of the sample by measuring the volume of the sample on the measuring cylinder, occupied after setting its specified strokes.
- 11) Use the following formula of Bulk density for calculation

$$\text{Bulk Density} = \frac{\text{Weight of Sample}}{\text{Volume}} \times \text{gm/cc}$$

	<b>PREPARED BY</b>	<b>CHECKED BY</b>	<b>APPROVED BY</b>
<b>NAME</b>	Mr. A B. Walikar	Dr. Vinod. M	Dr. S C. Marapur
<b>DESIGNATION</b>	Asst. Professor	Asst. Professor	Professor & Head
<b>DEPARTMENT</b>	Pharmaceutics	Pharmaceutics	Pharmaceutics
<b>SIGNATURE &amp; DATE</b>			