


STANDARD OPERATING PROCEDURE OF

DISSOLUTION TEST APPARATUS

 <p>BLDEA'S Shri Sanganabasava Mahaswamiji College of Pharmacy & Research Centre Vijayapur 586103</p>	DEPARTMENT: PHARMACEUTICS	SOP NO: Company Name: Electro lab Model no: USP TDT - 08L
	AREA: PHAMACEUTUICS LAB	PAGE NO: 1 - 2
	SUBJECT: SOP FOR DISSOLUTION TEST APPARATUS	EFFECTIVE DATE: 25/2/2022 REVIEW PERIOD: 25/2/2023

Purpose:

To provide a procedure for the operating of Dissolution test apparatus

Scope:

Applicable to operation of Dissolution test apparatus

References:

Instrument Manual

Safety Issues and Precautions:

- Were 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 Instrument log book
- Handle the Instrument properly with care
- After using the apparatus please clean the instrument and accessories and keep it clean
- Before switching ON the heater, ensure that the tank is filled with distilled or purified water without a vessel to the mark of the device.
- If necessary, change the water in the bath on a weekly or monthly basis.

- Do not over-tighten the shaft of the paddle or basket, and do not hold or manually stop the paddle or basket while it is in operation

Procedure:

- 1) Ensure that the instrument is clean & free from dust.
- 2) Switch on the power switch & heater switch provided on the rear right hand side. When the power is switched on the following things are displayed.
- 3) The step program display shows SD & the remaining displays are blanked off indicating that the system is going through the self-diagnostics.
- 4) List the stirrer unit using up key on the front panel.
- 5) Put the jars, filled with the medium in the tank.
- 6) Fix paddle (screw) on the spindle carefully & tighten it to using the key provided.
- 7) Bring the stirrer unit down using DOWN key.
- 8) Set all the parameters rpm & temperature are directed for the test.
- 9) Start the stirrer by using the START/STOP key.
- 10) Once the set temperature is reached to READY OR LED on & leaves the tablets in the test jars or baskets as desired.
- 11) Start the test using START OR STOP OR TEST key.
- 12) Carry out the analytical procedure as per the specification & calculate the results.
- 13) Switch off the instrument after the use.

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