


## STANDARD OPERATING PROCEDURE OF HOMOGENIZER

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	<b>AREA:</b> PHARMACEUTICS LAB	<b>PAGE NO:</b> 1 -2
	<b>SUBJECT:</b> SOP FOR HOMOGENIZER	<b>EFFECTIVE DATE:</b> 25/2/2022
		<b>REVIEW PERIOD:</b> 25/2/2023

### **Purpose:**

To provide a procedure for the operating of Homogenizer

### **Scope:**

Applicable to operation of Homogenizer

### **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
- Avoid contact with the rotating shaft and homogenizing head.
- Let only trained operators handle your high-pressure homogenizer
- The homogenizing procedure should not be carried out over than 18,000 RPM.
- Turn off the apparatus as soon as possible if an abnormal sound is heard.
- Avoid putting not closed volatile and toxic substances on the table.

## Procedure:

- 1) Connect the plug into the socket.
- 2) Fix the homogenizer apparatus on its special bars via its specific clamps.
- 3) Turn on the apparatus by the power button which is located in the back of the apparatus.
- 4) Adjust the speed rate (RPM) by bottom and top arrows which is located in front of the apparatus.
- 5) Enter the specific probe into the first hole on the beam of the probe into the liquid which requires to be homogenized. Note that the minimum mentioned item must be followed.
- 6) Thorough cleaning is necessary after each use, rinse the probe at 5000 rpm (every one 5minute) with chloroform, methanol, and ethanol (70 %), respectively.
- 7) At the end don't forget to turn off the apparatus.

## Maintenance:

After completing the procedure, turn off the apparatus and rinse the probe, respectively, by chloroform, methanol, and ethanol (70 %).

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