


STANDARD OPERATING PROCEDURE OF

HOT AIR OVEN

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

Purpose:

To provide a procedure for the operating of hot air oven

Scope:

Applicable to operation of hot air oven

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

Procedure:

- 1) Turn on the controller by pressing the power ON/OFF switch. Power indicator red light will illuminate indicating the furnace is ON.
- 2) Then press the SELECT button, temp/Off light will start blinking asking the user to set a temperature value. Use UP and DOWN button to set value of temperature and then press and hold ENTER until the set value on digital display blinks.
- 3) Press the select button again and delay time light will start blinking asking the user to set delay time value in hours: minutes use up and down buttons to set a value and then press and hold ENTER until the set value on digital display blinks.

- 4) Press the select button again and rate /hour light will start blinking asking the user to set a rate /hour value in F. Use up and down buttons to set a value and then press and hold ENTER until the set value on digital display blinks.
- 5) Press the select button again and hold light will start blinking asking the user to set a hold time value in hours: minutes. Use up and down buttons to set a value and then press and hold ENTER until the set value on digital display blinks.
- 6) After setting the all parameters, the temp/OFF light will become solid. At this point if the start button is pressed the program will start and the furnace will start heating indicated by the red heating light indicator and the acquired temperature of furnace will be displayed on the digital display.
- 7) The shutdown procedure of all the furnace models is same except the require some additional steps to shut it down. Follow the following steps to shutdown the furnace.
- 8) Turn OFF the furnace by turning the power switches OFF. To see the power switches of all the models of furnace. This will shutdown the furnace.
- 9) Remove the power cable from the electrical outlet before leaving the lab.

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

