

## PHARMA DEVILS

QUALITY CONTROL DEPARTMENT

STANDARD OPERATING PROCEDURE		
<b>Department:</b> Quality Control	SOP No.:	
Title: Operation and Calibration of Muffle Furnace	Effective Date:	
Supersedes: Nil	Review Date:	
Issue Date:	Page No.:	

#### 1.0 OBJECTIVE:

To lay down a procedure for Operation of Muffle furnace.

#### 2.0 SCOPE:

This SOP is applicable for operation of Muffle furnace in the Quality Control.

#### 3.0 RESPONSIBILITY:

Officer, Executive-Quality Control Department

Head – Quality Control Department

## 4.0 **DEFINITION(S)**:

NA

#### **5.0 PROCEDURE:**

Make: Meta-lab scientific ind , Model; meta-lab

#### 5.1 Operation:

- 5.1.1 Ensure that instrument is clean and free from dust.
- 5.1.2 Keep muffle furnace in normal vertical position.
- 5.1.3 Put the main switch ON.
- 5.1.4 Load the material into the Furnace and close the door firmly.
- 5.1.5 Switch on instrument which will be indicated by glow of the Lamp Indicator.
- 5.1.6 Press "Set" Key display will start flashing & set the Temperature with Up arrow key (▲) or down arrow key (▼) & press "Set" to confirm the Set value.
- 5.1.7 The Heater will start & will be Indicated by the Indicating Lamps.
- 5.1.8 The set Temperature is reached heaters will be Off.
- 5.1.9 Record the details in the equipments/instrument log book for results & breakdown.

#### 5.2 Calibration:

5.2.1 Calibration of digital temperature indicator is done by Engineering department or External



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Party.

Frequency: Six Monthly

- 5.3 Cleaning:
- 5.3.1 After Usage, clean the Instrument properly with cotton cloth.
- 5.4 Precaution:
- 5.4.1 Do not keep any inflammable solvents near the muffle furnace.
- 6.0 ABBREVIATION(S):

QCD – Quality Control Department

SOP – Standard Operating Procedure

NA – Not Applicable

7.0 **REFERENCE(S):** 

NA

8.0 ANNEXURE(S):

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### 9.0 REVISION CARD:

\$ S.No.	REVISION No.	REVISION DATE	DETAILS OF REVISION	REASON (S) FOR REVISION