



**STANDARD OPERATING PROCEDURE**

<b>Department:</b> Warehouse	<b>SOP No.:</b>
<b>Title:</b> Operation and Cleaning of Heating Chamber	<b>Effective Date:</b>
<b>Supersedes:</b> Nil	<b>Review Date:</b>
<b>Issue Date:</b>	<b>Page No.:</b>

**1.0 OBJECTIVE:**

To lay down a Procedure for Operation & Cleaning of Heating Chamber in Warehouse.

**2.0 SCOPE:**

This SOP is applicable for Operation & Cleaning of Heating Chamber warehouse.

**3.0 RESPONSIBILITY:**

Warehouse (Officer / Executive): Preparation, Revision, and Retrieval of this SOP.

Warehouse (Operating Manager): Training and effective implementation of this SOP.

**4.0 ACCOUNTABILITY:**

Warehouse Head: Approval, ensure Training and Implementation of this SOP.

Head QA: Authorization, ensure Training and Implementation of this SOP.

**5.0 ABBREVIATIONS:**

QC	Quality Control
IPA	Isopropyl Alcohol
QA	Quality Assurance
SOP	Standard Operating Procedure
WH	Warehouse

**6.0 PROCEDURE:**

**6.1 OPERATION:**

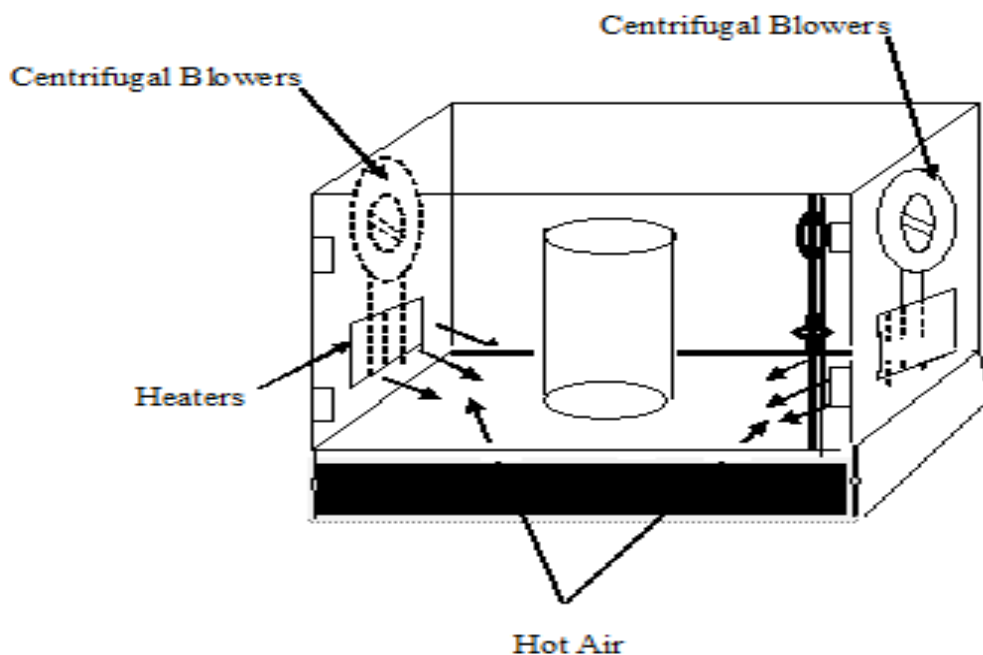
- 6.1.1** Before using the heating chamber equipment ID ensure that it is clean from inside.
- 6.1.2** Switch "ON" the mains of electrical supply and check minimum room temperature NMT should be 25°C.
- 6.1.3** Ensure and check the list of raw materials/product for which we want to use in heating chamber before keeping or place in the Heating chamber of the material or product container/drum as per Materials List of **Annexure-II**.
- 6.1.4** Open the door of the heating chamber equipment ID and place cleaned container/drum inside the heating chamber.
- 6.1.5** Close the door of the heating chamber.
- 6.1.6** Switch "ON" the heating chamber.



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- 6.1.7 The temperature of the heating chamber starts 20 or 25 to 75 °C to increasing gradually in automatically to maximum set the temperature 75 °C according to maximum temperature required of materials for heat to change form in liquid form for dispensing perform smoothly.
- 6.1.8 Switch “OFF” the heating chamber and switch “ON” the Blower of Heating chamber for reducing heat whenever materials dilute in liquid form for dispensing purpose.
- 6.1.9 After switch “OFF” the heating chamber wait at least 10 minutes for reduce heat of container for withdraw from heating chamber for further again dispensing.
- 6.1.10 Open the door of heating chamber & wait at least 5 minutes.
- 6.1.11 Warehouse Person will out the drum from the heating chamber.
- 6.1.12 The following is the diagrammatic presentation of heating chamber.
- 6.1.13 Validated maximum temperature is 75-80 °C for heat the materials for change in liquid form incase very hard & solid materials.



**Figure 1: Heating Chamber**

**6.2 CLEANING:**



# PHARMA DEVILS

WAREHOUSE DEPARTMENT

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**6.2.1** Ensure that the mains switch is "**OFF.** & inside temperature is NMT 25 °C.

**6.2.2** Clean the heating chamber from outside and inside by clean cloth.

**6.2.3** Clean the drum properly before keeping inside the heating chamber.

**6.2.4 Frequency 'of Cleaning:**

**6.2.4.1** Daily Cleaning: Clean the Heating Chamber using clean cloth & mop with 70% IPA solution.

**6.2.4.2** Maintain the Usage and Cleaning records of the heating chamber as per **Annexure-I**

### 6.3 SAFETY:

**6.3.1** Use safety Gloves (Heat resistant or Asbestos Gloves) before handling the heat container/drum.

### 7.0 ANNEXURES:

ANNEXURE No.	TITLE OF ANNEXURE	FORMAT No.
Annexure-I	Usage & Cleaning Record of Heating Chamber	
Annexure-II	Materials List of Heating Chamber	

**ENCLOSURES:** SOP Training Record

### 8.0 DISTRIBUTION:

- Controlled Copy No.01 Quality Assurance
- Controlled Copy No.02 Warehouse
- Master Copy Quality Assurance

### 9.0 REFERENCES:

Not Applicable.

### 10.0 REVISION HISTORY:

#### CHANGE HISTORY LOG

Revision No.	Change Control No.	Details of Changes	Reason for Change	Effective Date	Updated By

ANNEXURE – I





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### ANNEXURE – II MATERIALS LIST OF HEATING CHAMBER

Effective From.....

Area Location: - G Block

S.No.	Name Of Materials	Pharmacopoeia Reference (IP/BP/USP/IH)	Category	To set maximum Temp.
1.	Glucose	IP/BP/IH	Excipients	NMT 75 <sup>0</sup> C
2.	Methyl salicylate (DMSO)	IP/BP/IH	Excipients	NMT 75 <sup>0</sup> C
3.	Coconut	IP/IH	Excipients	NMT 75 <sup>0</sup> C
4.	Piperine	IP/BP/IH	Excipients	NMT 75 <sup>0</sup> C
5.	Vegetable oils (Ghee)	IP/IH	Excipients	NMT 75 <sup>0</sup> C