



PHARMA DEVILS

ENGINEERING DEPARTMENT

STANDARD OPERATING PROCEDURE

Department: Engineering	SOP No.:
Title: Preventive Maintenance of Dry Heat Sterilizer	Effective Date:
Supersedes: Nil	Review Date:
Issue Date:	Page No.:

1.0 Revision History

Rev.No.	Details of changes	Reason for change
00	NIL	NEW SOP

2.0 Objective

2.1 The Objective of this SOP is: To describe the procedure for preventive maintenance of Dry Heat Sterilizer (DHS).

3.0 Scope

3.1 This SOP is applicable for the preventive maintenance of Dry Heat Sterilizer (DHS).
Installed .

4.0 Responsibility:

4.1 The Maintenance Operator shall be responsible:

4.1.1 To carry out preventive maintenance of equipment.

4.1.2 To report any deviation and/or deficiency observed during preventive maintenance.

4.1.3 To maintain the record of all checks.

4.2 The Maintenance Engineer shall be responsible:

4.2.1 To get the preventive maintenance done as per annual maintenance planner.

4.2.2 To check the preventive maintenance activity is carried out and deviations and/or Deficiencies are complied as per requirement.

4.3 The Production Representative shall be responsible:

4.3.1 To keep the respective area and equipment ready for preventive maintenance.

4.3.2 To verify that preventive maintenance is carried out.



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5.0 Accountability

Head –Engineering Services

6.0 Procedure:

6.1 Caution:

6.1.1 Before carrying out preventive maintenance, switch 'off' the mains, remove fuses and Display the 'Under Maintenance' board.

6.2 Monthly preventive maintenance activities:

6.2.1 Check the condition of the door gaskets. Replace it, if required.

6.2.2 Check the compressed air leakage. Rectify it, if required.

6.2.3 Check the functioning of door mechanism. Rectify it, if required.

6.2.4 Check the functioning of online printer and its related connections. Rectify it, if required.

6.2.5 Check the earthing connection. Rectify it, if required.

6.2.6 Check the connection of all temperature sensors.

6.2.7 Check all electric connections for tightness and any damage. Rectify it, if required.

6.2.8 Check the heater connections for tightness and any damage. Rectify it, if required.

6.2.9 Check the Exhaust blower & motor. Rectify it, if required.

6.2.10 Take a running trial and check for any abnormal noise and vibrations. Rectify it, if required.

6.2.11 Maintain the record of all checks in checklist. (Annexure-1)



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7.0 ANNEXURES:

Annexure-I : Monthly Preventive Maintenance Checklist for Dry Heat Sterilizer (DHS).

8.0 References (S)

NIL

9.0 Glossary

SOP : Standard Operating procedure



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ANNEXURE-I

Monthly Preventive Maintenance Checklist for Dry Heat Sterilizer (DHS)

EQUIPMENT CODE:		LOCATION:	MONTH:
S.No.	DESCRIPTION	OBSERVATIONS/ REMARKS	
1.	Check the condition of the door gaskets. Replace it, if required.		
2.	Check the compressed air leakage. Rectify it, if required.		
3.	Check the functioning of door mechanism. Rectify it, if required.		
4.	Check the functioning of online printer and its related connections. Rectify it, if required.		
5.	Check the earthing connection. Rectify it, if required.		
6.	Check the connection of all temperature sensors.		
7.	Check all electric connections for tightness and any damage. Rectify it, if required.		
8.	Check the heater connections for tightness and any damage. Rectify it, if required.		
9.	Check the Exhaust blower & motor. Rectify it, if required.		
10.	Take a running trial and check for any abnormal noise and vibrations. Rectify it, if required.		
Done by: (Operator)		Done on:	
Checked by: (Engineer)		Next due on:	
Verified by: (Concerned Department)			

FREQUENCY :- MONTHLY PREVENTIVE MAINTENANCE

CAUTION :- BEFORE CARRYING OUT PREVENTIVE MAINTENANCE, SWITCH OFF THE MAINS, REMOVE FUSE AND DISPLAY THE UNDER MAINTENANCE BOARD.