



Title: Preventive Maintenance of Autoclave

SOP No.:		Revision No.:	00
Effective Date:		Supersedes No.	Nil
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1.0 OBJECTIVE

1.1 To describe a procedure for the preventive maintenance of autoclave.

2.0 SCOPE

2.1 This procedure applies to the Engineering department.

3.0 RESPONSIBILITY

3.1 Engineering

4.0 ACCOUNTABILITY

4.1 Plant Head

5.0 REFERENCE (S)

5.1 In-house.

6.0 PROCEDURE

6.1 Procedure for mechanical work:

- 6.1.1 Switch off the power supply of the machine and put "under maintenance" label.
- 6.1.2 Check the steam trap & balance the thermostatic trap.
- 6.1.3 Clean the strainer.
- 6.1.4 Check functioning of magnetic float valve.
- 6.1.5 Clean internal surface of the autoclave for any scaling.
- 6.1.6 Inspect overall working of all components like pneumatic valves, solenoid valves, and pressure switches, overload relays & proximity switches.

6.2 Procedure for electrical work:

- 6.2.1 Clean the electrical panel using compressed air.
- 6.2.2 Tighten all the loose electrical connections.

6.3 Procedure for trial run:

- 6.3.1 Switch on the power supply.
- 6.3.2 Check & record the observations as per Annexure-I.

6.4 Procedure for handover of the machines:

- 6.4.1 Remove under maintenance label & affix preventive maintenance status label and inform the concerned department.

6.5 Frequency of preventive maintenance is once in two months.

7.0 HISTORY

7.1 Details are given below.



PHARMA DEVILS

ENGINEERING DEPARTMENT

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SOP No.	REASON FOR CHANGE	EFFECTIVE DATE

8.0 ABBREVIATIONS: The abbreviations used in the SOP are as follows:

- 8.1 SOP - Standard Operating Procedure
- 8.2 No. - Number
- 8.3 QA - Quality Assurance



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ANNEXURE-I

PREVENTIVE MAINTENANCE CHECK LIST FOR AUTOCLAVE

Equipment ID No. _____

Date: _____

S.No.	Particulars	Done/Not Done	Remarks
1	Check and tight all electrical connections.		
2	Check steam trap & valves.		
3	Checking of gaskets.		
4	Check for steam leakages.		
5	Check the functionality of three wire RTD sensors.		
6	Check the functioning of data logger.		

Done by
(Sign & date)

Checked by
(Sign & date)