

PHARMA DEVILS

PRODUCTION DEPARTMENT

STANDARD OPERATING PROCEDURE				
Department: Production (External Preparation)	SOP No.:			
Title: Procedure for Operation, Cleaning & Sanitization of CIP Tank	Effective Date:			
Supersedes: Nil	Review Date:			
Issue Date:	Page No.:			

1.0 **OBJECTIVE:**

To lay down a Procedure for Operation and Cleaning of CIP tank.

2.0 **SCOPE:**

This SOP is applicable for Operation and Cleaning of CIP tank.

3.0 **RESPONSIBILITY:**

Officer / Executive - Production

4.0 **ACCOUNTABILITY:**

Head Production

5.0 **ABBREVIATIONS:**

IPQA	In-Process Quality Assurance
No.	Number
SS	Stainless Steel
SOP	Standard Operating Procedure
CIP	Cleaning in place
^{0}C	Degree centigrade

6.0 **PROCEDURE:**

6.1 **OPERATION:**

- **6.1.1** Ensure that the area, Surface of heating tank is clean.
- 6.1.2 Connect one end of flexible SS pipeline with purified water loop and other end with Inlet of heating tank.
- 6.1.3 Open the valve of purified water loop and fill heating tank (upto water level L4) with purified water.
- **6.1.4** Switch "ON" the main switch and select operation mode.
- **6.1.5** Adjust the set temperature (75°C to 80°C) by controlling panel.
- 6.1.6 After achieving the set temperature with recirculation of purified water Switch "OFF" the main switch (if manual mode).
- 6.1.7 If run auto mode then its auto cut at set temperature.
- **6.1.8** Connect the Outlet valve with flexible SS pipeline.
- 6.1.9 After completion of the process hot purified water supplied in washing area by pump or without pump.



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- 6.1.10 After completion of operation activity Electric panel should be "OFF".
- **6.1.11** Ensure that water is not sustained in tank after activity.
- **6.1.12** Affix the status label.

6.2 CLEANING:

- 6.2.1 Ensure that the machine switch is "OFF".
- **6.2.2** Clean the outer side of machine by moping with dry lint cleans cloth.
- 6.2.3 Affix the status label as "Cleaned".

6.3 SANITIZATION:

- **6.3.1** Ensure that the area, Surface of CIP is clean and dry.
- 6.3.2 Ensure that electric switch is "OFF".
- **6.3.3** Open the dome of CIP.
- **6.3.4** Sanitization of the inner surface of tank is carried out with 70% Isopropyl alcohol.
- **6.3.5** After drying, close the dome on CIP Tank.
- **6.3.6** Affix the status label.

FREQUENCY: Monthly or whenever required.

7.0 ANNEXURES:

ANNEXURE No.	TITLE OF ANNEXURE	FORMAT No.				
Δασοστάσο Τ	Record for Operation, Cleaning and Sanitization of					
Annexure -I	CIP tank					

ENCLOSURE: SOP Training Record

8.0 **DISTRIBUTION:**

• Controlled Copy No. 01	Quality Assurance
• Controlled Copy No. 02	Production
Master Copy	Quality Assurance



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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



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ANNEXURE I RECORD FOR OPERATION, CLEANING AND SANITIZATION OF CIP TANK

Date	Operation Time		Cleaning Time		Sanitization on	Done By	Checked By (Production)	Verified By (QA)	Remarks
	From	То	From	То	UII		(110uuction)		