



**PROTOCOL FOR
EVALUATION OF EQUIPMENT &
UTILITY
RE-QUALIFICATION TO ESTABLISH
THE RE-QUALIFICATION
FREQUENCY**

Document Number :

Effective Date :



PHARMADEVILS

QUALITY ASSURANCE DEPARTMENT

PROTOCOL FOR EVALUATION OF EQUIPMENT & UTILITY RE-QUALIFICATION TO ESTABLISH THE RE-QUALIFICATION FREQUENCY

PROTOCOL APPROVAL:

Function	Signatories	Name of individual	Signature	Date
Prepared by	Executive-QA			
Checked by	Head-Production			
Checked by	Head-QC			
Checked by	Head-Engineering			
Approved by	QA-Head			
Authorized by	Site Head			



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1.0 OBJECTIVE:

The objective of this study is to establish the Requalification frequency of equipment & Utility used for production/Utility process to confirm that they remain in a state of control.

2.0 SCOPE:

- 2.1 This protocol shall be applicable for the evaluation of equipment & Utility requalification to confirm that they remain in a state of control on the basis of various parameters as per Protocol.
- 2.2 The protocol shall specify the responsibilities for the activity related to establish the requalification frequency of equipment & Utility.

3.0 RESPONSIBILITIES:

The team shall comprise of the following team members and their responsibilities shall be as Specified below.

	Operation	
	Quality Assurance	
	Quality Control	
	Production	
	Engineering	

Quality Assurance

Officer/Executive QA shall monitor and ensure the Complexity & Criticality of equipment/Utility.

Executive QA is responsible for review included in this protocol and verification of proper scale followed to evaluate the equipment & Utility requalification to establish the requalification frequency to confirm that they remain in a state of control.

The Head Quality Assurance is responsible for ensuring that the required documentation is available and is adequate to support the study.

The Head Quality Assurance is responsible for protocol approval for final review with subsequent



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approval of completed study report.

Production

Officer/Executive Production shall monitor and ensure the Complexity & Criticality of equipment used for production process.

The Executive Production is responsible for review included in this protocol and verification of proper scale followed to evaluate the equipment requalification to establish the requalification frequency to confirm that they remain in a state of control.

The Head production is responsible for ensuring that the conducted activity is inline as per predetermine evaluation process

Quality Control

Officer/Executive Quality Control shall monitor and ensure the Complexity & Criticality of equipment and Utility used for QC/Microbiology Section.

The Executive Quality Control is responsible for review included in this protocol and verification of proper scale followed to evaluate the equipment/Utility requalification to establish the requalification frequency to confirm that they remain in a state of control.

The Head Quality Control is responsible for ensuring that the conducted activity is inline as per predetermine evaluation process

Engineering

Officer/Executive Engineering shall monitor and ensure the Complexity & Criticality of Utility.

Executive Engineering is responsible for review included in this protocol and verification of proper scale followed to evaluate the utility requalification to establish the requalification frequency to confirm that they remain in a state of control.

The Head Engineering is responsible for ensuring that the conducted activity is inline as per predetermine evaluation process

4.0 Evaluation of “Equipment & Utility requalification to establish the Requalification frequency” Methodology:

Below listed Scale shall be followed for the evaluation of equipment & Utility requalification to confirm that they remain in a state of control on the basis of their Utilization, Automation, Impact on product, Age of equipment & utility, Breakdown of equipment/utility and complexity of changeover. This evaluation shall be done in annexure-I by multiplying the rating assigned for each parameter.

The total obtained by multiplication of various parameters rating shall be checked with the obtained criteria in section 5.0.



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Factor A: Utilization:

Utilization	Rating
Continuous	5
Daily	4
Weekly	3
Monthly	2
Quarterly /half yearly/ Annualy	1

Factor B: Automation:

Automation	Rating
Completely Automated	1
Significantly automated	2
Partially automated	3
Manual	4

Factor C: Impact on Product:

Impact on Product	Rating
Impacting	4
Significant impact	3
Likely impacting	2
Non impacting	1

Factor D: Age of equipment & utility:

Age	Criteria	Rating
Oldest	Above 15 years	4
Older	10-15 years	3
Old	5-10 Years	2
New	1-5 years	1

Factor E: Breakdown of equipment & utility:

Breakdown	Frequency	Rating
Very frequent	Monthly	5
Frequent	Quarterly	4
Some time	Half yearly	3
Rarely	more than a half yearly	2
Negligible	More than two years	1

Factor F: Complexity of changeover:

Complexity of changeover:	Rating
Tedious	3
Moderate	2
Simple	1



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5.0 Requalification Frequency assigning based on the factor:

Requalification Frequency of equipment & utility shall be assign as per Multiplication of Factor for all equipment/utility used at site.

Multiplication of Factor: $A \times B \times C \times D \times E \times F$

Frequency of qualification	Multiplication of Factor
Not required	1-1000
5 yearly	1000-2000
3 yearly	2000-3000
Annualy	3000-4800



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6.0 DEVIATION:

S.No.	Deviation details	Justification(s) / Corrective action(s)	Remarks (Acceptable/ Not acceptable)
1.			
2.			
3.			
4.			

Comments:

Checked By Sign _____

Date _____

Reviewed By Sign _____

Date: _____



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8.0 REFERENCES:

- 8.1 Initial Qualification documents of equipment/Utility.
- 8.2 History card of equipment/Utility.
- 8.3 Operation and cleaning logbook of specified equipment/Utility.
- 8.4 Maintenance and Breakdown logbook.

