

PHARMA DEVILS MICROBIOLOGY DEPARTMENT

PERFORMANCE QUALIFICATION PROTOCOL FOR ANALYTICAL BALANCE

Pre - Execution Approval

	Name	Designation	Signature	Date
Prepared By				
Reviewed By				
Reviewed By				
Reviewed By				
Approved By				



PERFORMANCE QUALIFICATION PROTOCOL FOR ANALYTICAL BALANCE

1.0 Objective:

- To establish documented evidence which will provide a High degree of assurance and reliability about the performance of the Analytical Balance.
- To determine that the Analytical Balance performs as intended by repeatedly running the system on its intended schedules and recording all relevant information and data. Results must demonstrate that performance consistently meets predefined specifications under normal conditions and where appropriate for worst case situations.

2.0 Scope:

Scope is limited to the following

Equipment / System Name	Analytical Balance
ID Number	
Location	Media Preparation Room

3.0 Performance Verification Checklist:

Verify the performance of all the critical process/functions as per their respective procedure. Refer Performance Verification Checklist as per Annexure - I.

4.0 Any Changes/Deviations identified during operating checks:

Refer Annexure – II.

5.0 Recommendations and Conclusions:

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6.0 References:

Installation Qualification Operational Qualification Standard Operating Procedure

7.0 Annexure

Annexure - I	:	Performance Verification Checklist
Annexure - II	:	List of Changes / Deviation.
Annexure - III	:	Performance Qualification Report.

8.0 Abbreviations:

SOP : Standard Operating Procedure

Post execution approval:

	Name	Designation	Signature	Date
Compiled By				
Reviewed By				
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Approved By				



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Annexure - I Checklist for Performance Verification

(A) Measurement Uncertainty Test:

Standard Weight: Standard Weight:		Standard Weight:Standard Weight:		
S.No. Observed Value		S.No. Observed Value		
1.		1.		
2.		2.		
3.		3.		
4.		4.		
5.		5.		
6.		6.		
7.		7.		
8.		8.		
9.		9.		
10.		10.		
Average		Average		
Standard Deviation		Standard Deviation		
% RSD		% RSD		
Random Error:		Random Error:		
Systematic Error:		Systematic Error:		
Measurement Uncertai	inty:	Measurement Uncertainty:		
Acceptance Criteria: NMT 0.1 %				



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(B) Uncertainty Test:

Standard Weight	Certified Value	Observed Value	% Difference	Acceptance Criteria	Remarks
100 mg				± 0.1 %	
200 mg				± 0.1 %	
500 mg				$\pm \ 0.1$ %	
1 gm				± 0.1 %	
2 gm				± 0.1 %	
5 gm				± 0.1 %	

(B) Eccentrity / off Center Accuracy Test:

Position	Certified Value	Observed Value	% Difference	Acceptance Criteria	Remarks
Center				$\pm \ 0.1$ %	
Right Corner				$\pm \ 0.1$ %	
Left Corner				± 0.1 %	
Top Corner				± 0.1 %	
Bottom Corner				± 0.1 %	

Note:

Remarks: - Performance Verification of Balance - Complies / Does not comply.

Verification Done By:



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Annexure - II

List of Changes / Deviations

S.No.	Description of Change / Deviations	Justification based on impact analysis

Verified By:

Approved By: