

QUALITY ASSURANCE DEPARTMENT

PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

EQUIPMENT ID. No.	
LOCATION	UNIT PREPARATION ROOM
DATE OF QUALIFICATION	
SUPERSEDES REPORT No.	NIL



PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

1.0 PROTOCOL APPROVAL:

PREPARED BY:

DESIGNATION	NAME	SIGNATURE	DATE
OFFICER / EXECUTIVE (QUALITY ASSURANCE)			

REVIEWED BY:

DESIGNATION	NAME	SIGNATURE	DATE
OPERATING MANAGER			
(QUALITY ASSURANCE)			
HEAD			
(ENGINEERING)			
HEAD (PRODUCTION)			

APPROVED BY:

DESIGNATION	NAME	SIGNATURE	DATE
HEAD			
(QUALITY ASSURANCE)			



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

2.0 OBJECTIVE:

- To provide documented evidence that the Equipment is performing consistently, repeatedly and reproducibly within its established operating range and the results of all the test parameters meet the pre-defined acceptance criteria.
- To confirm the suitability of the Standard Operating Procedures for all routine activities associated with the system.

3.0 SCOPE:

- The scope of this Report is limited for qualification of HPHV Steam Sterilizer, installed in Unit Preparation Room.
- This report provides all the relevant information of the Heat Penetration Study during Maximum Load with Decron Bag / Tyvek Bag to qualify the HPHV Steam sterilizer.



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4.0 **RESPONSIBILITY:**

The Validation Group, comprising of a representative from each of the following departments, shall be responsible for the overall compliance of this Report:

DEPARTMENTS	RESPONSIBILITIES
Quality Assurance	Preparation, Review, Approval and Compilation of the Performance Re-
	qualification Review of Report.
	Co-ordination with Quality Control, Production and Engineering to
	carryout Performance Re-qualification Activity.
	Monitoring of Performance Re-qualification.
	Post Approval of Performance Re-qualification Report After Execution.
Production	Review of Performance Re-qualification Report.
	To co-ordinate and support Performance Re-qualification Activity.
	Post Approval of Performance Re-qualification Report After Execution.
Quality Control	Analytical Support (Microbiological Testing/Analysis).
Engineering	Reviewing of Re-qualification Report for correctness, completeness and
	technical excellence.
	• Responsible for trouble shooting (if occurred during execution).
	Maintenance & preventive maintenance as per schedule.
	Post Approval of Performance Re-qualification Report After Execution.



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

5.0 EQUIPMENT DETAILS:

Equipment Name	HPHV Steam Sterilizer
Equipment	
Size	750 X 750 X 1200 mm
C apacity	675 L.
Manufacturer's Name	
Supplier's Name	
Location of Installation	Unit Preparation Room

6.0 PRE – RE-QUALIFICATION REQUIREMENTS:

6.1 Training Record of Validation Team:

- All the persons involved in the execution of qualification activity including the persons of outside
 agencies must be trained in all aspects of the qualification activity including the test methodology,
 acceptance criteria and safety precautions to be followed during working at service floor.
- Verify the training records and attached.

Inference:	
	Reviewed By:
	(Manager QA)
	(Sign & Date)



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6.2 Biological Indicator Detail :		
BI Detail	Observation	Verified By (QA) Sign/date
Name of Biological Indicator		
Code Number		
Lot Number		
Spore Population		
Z Value		
D Valve		
Manufacturing Date		
Expiry Date		
Inference:		
		•••••
	Reviewed By Manager QA) (Sign & Date)	:



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	TION REPORT FOR BIO-CHALLENGE S E HIGH VACUUM STEAM STERILIZER	STUDY FOR HIGH
6.3 Chemical Indicator Detail :		
BI Detail	Observation	Verified By (QA) Sign/date
Name of Chemical Indicator		Sign dotte
Lot Number		
Inference:		
	Reviewed Manager (Sign & 1	



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7.0 TESTS AND CHECKS:		
7.1 VACUUM LEAK TEST :		
	VACUUM LEAK TE	ST DETAILS
Equipment Name		
Equipment Make		
Equipment Location		
Equipment ID No.		
Parameters	Set Value	Cycle Observed Value
Cycle Started Date		
Cycle Started Time		
Pre Vacuum Level	- 0.700 Bar	
Vacuum Stabilize Delay	3Minute	
Vacuum Hold Time	10 Minute	
Process End Pressure	0.030 Bar	
Acceptable Leakage	0.013 bar	
Actual Leakage		
Cycle Completed Date		
Cycle Completed Time		
Checked By		Verified By
(Production)		(Quality Assurance)
Sign/Date:		Sign/Date
Inference:		
		Reviewed By
		(Manager QA) Sign/Date:
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7.2 BOWIE - DICK TEST:

Bowie Dick Test Details	
Equipment Name	
Equipment Make	
Equipment ID No.	
Equipment Location	

Parameters	Set Value	Cycle Observed Value
Cycle Start Date		
Cycle Start Time		
Pre Vacuum	- 0.600 Bar	
Pre Pressure	0.500 Bar	
No. of Pre Pulses	03 Nos.	
Pre pressure up	0.700 bar	
Pre pressure down	0.300 bar	
Pre pressure down final final	0.600 bar	
No of positive pulses	05 Nos.	
Sterilization Hold Temperature	121.4 °C	



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Sterilization Hold Time	11 Minute	
Overshoot Temperature	124.0 °C	
Sterilization Stop Temperature	120.9°C	
Sterilization Reset Temperature	120.5 °C	
Process End Pressure	0.030 Bar	
Cycle End Date		
Cycle End Time		
Observation of Color change in Bowie	Dick Pack	
Checked By (Production)		Verified By (Quality Assurance)
Sign/Date: Inference:		Sign/Date
		Reviewed By (Manager QA) Sign/Date:



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Attach Bowie - Dick Test Indicator

Observation: Verified by:



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.3 HEAT PENETRATION STUDY IN MFG ACCESSORIES LOAD-MAXIMUM LOAD (STANDARD PROCESS)

Name of Cycle	Heat Penetration Study
Type of Cycle	Standard Process

6.3.1 OBSERVATION OF CYCLE SET PARAMETER

Parameters	Set Value	Cycle Observed Value
Cycle Start Date		
Cycle Start Time		
Pre Vacuum	0.00 bar	
Pre Pressure	0.00 bar	
No. of pre pulses	0 Nos.	
Pre pressure up	0.700 bar	
Pre pressure down	0.300 bar	
Nos. Of Positive Pulses	5 Nos.	
Pre pressure down final	0.600 bar	
Small valve SP	120.0°C	
Sterilization Hold Temperature	121.4°C	
Sterilization Hold time	30 Minute	
Temperature control band	0.2 °C	
Overshoot Temperature	124.0 °C	
Sterilization Stop Temperature	120.9 °C	
Sterilization Reset Temperature	120.5 °C	
Process End Pressure	0.030 bar	
Cycle End Time		
Cycle End Date		



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Checked By (Production) Sign/Date:	Verified By Quality Assurance) Sign/Date
Inference:	
	••••••
	Reviewed By (Manager QA) Sign/Date:



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.3.2 SUMMARY DETAIL OF STERILIZATION PROCESS

0.3.2	Critical region les	
5.No.	Critical variables	CYCLE
		Internal
1.	Date	
2.	Set sterilization temperature	
3.	Time process start	
4.	Sterilization start Time	
5.	Sterilization End Time	
6.	Cycle end time	
7.	Cold Point	
8.	Sensor no	
9.	Equilibrium Time	
(Prod Sign/	ked By luction) Date:	Verified By (Quality Assurance) Sign/Date
Infer	ence:	
		n. •1n
		Reviewed By (Manager QA) Sign/Date:



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.3.3 OBSERVATION REPORT OF CHEMICAL INDICATOR:

Status of Chemical Indicator Strip					
S.No.	Observation	S. No.	Observation		
1		7			
2		9			
3		9			
4		10			
5		11			
6		12			

Verified By						
(Quality Assuranc	e))				
Sign/Date			 			



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.4 HEAT PENETRATION STUDY IN ORIENTATOR LOAD (STANDARD PROCESS)

Name of Cycle	Heat Penetration Study
Type of Cycle	Standard Process

6.4.1 OBSERVATION OF CYCLE SET PARAMETER

Parameters	Set Value	Cycle Observed Value
Cycle Start Date		
Cycle Start Time		
Pre Vacuum	0.00 bar	
Pre Pressure	0.00 bar	
No. of pre pulses	0 Nos.	
Pre pressure up	0.700 bar	
Pre pressure down	0.300 bar	
Nos. Of Positive Pulses	5 Nos.	
Pre pressure down final	0.600 bar	
Small valve SP	120.0°C	
Sterilization Hold Temperature	121.4 °C	
Sterilization Hold time	30 Minute	
Temperature control band	0.2 °C	
Overshoot Temperature	124.0 °C	
Sterilization Stop Temperature	120.9 °C	
Sterilization Reset Temperature	120.5 °C	
Process End Pressure	0.030 bar	
Cycle End Time		
Cycle End Date		

Checked By (Production) Sign/Date:	Verified By Quality Assurance) Sign/Date
Inference:	
	Reviewed By (Manager QA) Sign/Date:



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.4.2 SUMMARY DETAIL OF STERILIZATION PROCESS

S.	Critical variables	CYCLE		
No.		Internal		
1.	Date			
2.	Set sterilization temperature			
3.	Time process start			
4.	Sterilization start Time			
5.	Sterilization End Time			
6.	Cycle end time			
7.	Cold Point			
8.	Sensor no			
9.	Equilibrium Time			
(Prod	ked By luction) Date:	Verified By (Quality Assurance) Sign/Date		
	cncc.			
•••••				
		Reviewed By (Manager QA) Sign/Date:		



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6.4.3 OBSERVATION REPORT OF CHEMICAL INDICATOR:

Status of Chemical Indicator Strip			
S.No.	Observation	S.No.	Observation
1		7	
2		9	
3		9	
4		10	
5		11	
6		12	

Verified By	
(Quality Assu	urance)
Sign/Date	



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.5 HEAT PENETRATION STUDY IN STERILE GARMENTS MAXIMUM LAOD IN HPHVPROCESS -1

Name of Cycle	Heat Penetration Study
Type of Cycle	HPHV Process -1

6.5.1 OBSERVATION OF CYCLE SET PARAMETER

Parameters	Set Value	Cycle Observed Value
Cycle Start Date & Time		
Pre Vacuum	- 0.600 Bar	
Pre Pressure	0.500 Bar	
No. of Pre pulses	03 Nos.	
Pre pressure up	0.700 bar	
Pre pressure down	0.300 bar	
Nos. Of Pre Pulses	0 5 Nos.	
Pre pressure down final	0.600 bar	
Small valve SP	120.0°C	
Sterilization Hold Temperature	121.4 °C	
Sterilization Hold time	30 Minute	
Temperature Control band	0.2 °C	
Overshoot Temperature	124.0 °C	
Sterilization Stop Temperature	120.9 °C	
Sterilization Reset Temperature	120.5 °C	



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Post vacuum start press.	0.200 Bar	
Post vacuum	-0.600 Bar	
Post vacuum hold time	5 Minute	
Post pressure	-0.200 bar	
No. of post pulses	2 Nos.	
Process End Pressure	-0.030 Bar	
Cycle End Time		
Cycle End Date		
Checked By (Production) Sign/Date:		Verified By Quality Assurance) Sign/Date
Inference:		
		Reviewed By (Manager QA) Sign/Date:



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.5.2 SUMMARY DETAIL OF STERILIZATION PROCESS

0.5.4	SUMMART DETAIL OF ST	
Sr.	Critical variables	CYCLE
NO.		Internal
01	Date	
02	Set sterilization temperature	
03	Time process start	
04	Sterilization start Time	
V 4	Stermzation start Time	
05	Sterilization End Time	
05	Stermzation End Time	
06	Cycle end time	
07	Cold Point	
08	Sensor no	
09	Equilibrium Time	
	ked By	Verified By
	luction)	(Quality Assurance)
	Date:	Sign/Date
Infer	ence:	
		Reviewed By
		(Manager QA)
		Sign/Date:



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.5.3 OBSERVATION REPORT OF CHEMICAL INDICATOR:

Status of Chemical Indicator Strip			
S. No.	Observation	S. No.	Observation
1		7	
2		9	
3		9	
4		10	
5		11	
6		12	

Verified By	
Quality Assurance)	
Sign/Date	



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.6 HEAT PENETRATION STUDY IN INNER GARMENTS MAXIMUM LAOD IN HPHVPROCESS -1

Name of Cycle	Heat Penetration Study
Type of Cycle	HPHV Process -1

6.6.1 OBSERVATION OF CYCLE SET PARAMETER

Parameters	Set Value	Cycle Observed Value
Cycle Start Date & Time		
Pre Vacuum	- 0.600 Bar	
Pre Pressure	0.500 Bar	
No. of Pre pulses	03 Nos.	
Pre pressure up	0.700 bar	
Pre pressure down	0.300 bar	
Nos. Of Pre Pulses	0 5 Nos.	
Pre pressure down final	0.600 bar	
Small valve SP	120.0°C	
Sterilization Hold Temperature	121.4 °C	
Sterilization Hold time	30 Minute	
Temperature Control band	0.2 °C	
Overshoot Temperature	124.0 °C	
Sterilization Stop Temperature	120.9 °C	
Sterilization Reset Temperature	120.5 °C	



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Post vacuum start press.	0.200 Bar	
Post vacuum	-0.600 Bar	
Post vacuum hold time	5 Minute	
Post pressure	-0.200 bar	
No. of post pulses	2 Nos.	
Process End Pressure	-0.030 Bar	
Cycle End Time		
Cycle End Date		
	·	
Charled By		Varified Ry

Checked By (Production)	Verified By Quality Assurance)
Sign/Date:	Sign/Date
Inference:	
	Reviewed By (Manager QA) Sign/Date:



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		ERILIZATION PROCESS
Sr.	Critical variables	CYCLE
NO.		Internal
01	Date	
02	Set sterilization temperature	
03	Time process start	
04	Sterilization start Time	
05	Sterilization End Time	
06	Cycle end time	
07	Cold Point	
08	Sensor no	
09	Equilibrium Time	
(Prod Sign/ Infer	ked By luction) Date: ence:	Verified By (Quality Assurance) Sign/Date
		Reviewed By (Manager QA) Sign/Date:



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.6.3 OBSERVATION REPORT OF CHEMICAL INDICATOR:

	Status of Chemical Indicator Strip			
S. No.	Observation	S. No.	Observation	
1		7		
2		9		
3		9		
4		10		
5		11		
6		12		

Verified By	
Quality Assurance)	
Sign/Date	



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.7 HEAT PENETRATION STUDY IN MACHINE PARTS-MAXIMUM LOAD HPHVPROCESS -2

Name of Cycle	Heat Penetration Study
Type of Cycle	HPHV Process -2

6.7.1 OBSERVATION OF CYCLE SET PARAMETER

Parameters	Set Value	Cycle Observed Value
Cycle Start Date & Time		
Pre Vacuum	- 0.600 Bar	
Pre Pressure	0.500 Bar	
No. of Pre pulses	03 Nos.	
Pre pressure up	0.700 bar	
Pre pressure down	0.300 bar	
Nos. Of Pre Pulses	0 5 Nos.	
Pre pressure down final	0.600 bar	
Small valve SP	120.0°C	
Sterilization Hold Temperature	121.4 °C	
Sterilization Hold time	30 Minute	
Temperature Control band	0.2 °C	
Overshoot Temperature	124.0 °C	
Sterilization Stop Temperature	120.9 °C	
Sterilization Reset Temperature	120.5 °C	



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Post vacuum start press.	0.200 Bar	
Post vacuum	-0.600 Bar	
Post vacuum hold time	5 Minute	
Post pressure	-0.200 bar	
No. of post pulses	2 Nos.	
Process End Pressure	-0.030 Bar	
Cycle End Time		
Cycle End Date		
		X7 '0" 1 Th

Checked By	Verified By
(Production)	Quality Assurance)
Sign/Date:	Sign/Date
Inference:	
	Reviewed By
	(Manager QA)
	Sign/Date:



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.7.2 SUMMARY DETAIL OF STERILIZATION PROCESS

0.7.2	SUMMARI DETAIL OF ST	
Sr.	Critical variables	CYCLE
NO.		Internal
01	Date	
02	Set sterilization temperature	
03	Time process start	
04	Sterilization start Time	
05	Sterilization End Time	
06	Cycle end time	
07	Cold Point	
08	Sensor no	
09	Equilibrium Time	
	ked By	Verified By
	luction)	(Quality Assurance)
	Date:	Sign/Date
Infer	ence:	
• • • • • • •		
• • • • • • • • • • • • • • • • • • • •		
		Reviewed By
		(Manager QA)
		Sign/Date:



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.7.3 OBSERVATION REPORT OF CHEMICAL INDICATOR:

Status of Chemical Indicator Strip			
S. No.	Observation	S. No.	Observation
1		7	
2		9	
3		9	
4		10	
5		11	
6		12	

Verified By	
(Quality Assu	rance)
Sign/Date	



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6.8 HEAT PENETRATION STUDY IN FILTRATION ACCESSORIES-MAXIMUM LOAD HPHVPROCESS -2

Name of Cycle	Heat Penetration Study
Type of Cycle	HPHV Process -2

6.8.1 OBSERVATION OF CYCLE SET PARAMETER

Parameters	Set Value	Cycle Observed Value
Cycle Start Date & Time		
Pre Vacuum	- 0.600 Bar	
Pre Pressure	0.500 Bar	
No. of Pre pulses	03 Nos.	
Pre pressure up	0.700 bar	
Pre pressure down	0.300 bar	
Nos. Of Pre Pulses	0 5 Nos.	
Pre pressure down final	0.600 bar	
Small valve SP	120.0°C	
Sterilization Hold Temperature	121.4 °C	
Sterilization Hold time	30 Minute	
Temperature Control band	0.2 °C	
Overshoot Temperature	124.0 °C	
Sterilization Stop Temperature	120.9 °C	
Sterilization Reset Temperature	120.5 °C	



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Post vacuum start press.	0.200 Bar	
Post vacuum	-0.600 Bar	
Post vacuum hold time	5 Minute	
Post pressure	-0.200 bar	
No. of post pulses	2 Nos.	
Process End Pressure	-0.030 Bar	
Cycle End Time		
Cycle End Date		
Checked Rv		Verified Ry

Checked By (Production)	Verified By Quality Assurance)	
Sign/Date:	Sign/Date	
Inference:		
	Reviewed By (Manager QA) Sign/Date:	



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6.8.2 SUMMARY DETAIL OF STERILIZATION PROCESS

	0.8.2 SUMMART DETAIL OF STERILIZATION PROCESS				
Sr.	Critical variables	CYCLE			
NO.		Internal			
Λ1	Data				
01	Date				
02	Set sterilization temperature				
03	Time process start				
	_				
04	Sterilization start Time				
05	Sterilization End Time				
06	Cycle end time				
07	Cold Point				
08	Sensor no				
09	Equilibrium Time				
	ked By	Verified By			
	luction)	(Quality Assurance)			
	Date:	Sign/Date			
Infer	ence:				
		Reviewed By			
		(Manager QA)			
		Sign/Date:			



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

6.8.3 OBSERVATION REPORT OF CHEMICAL INDICATOR:

Status of Chemical Indicator Strip						
S. No.						
1		7				
2		9				
3		9				
4		10				
5		11				
6		12				

Verified By	
(Quality Assu	rance)
Sign/Date	



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

8.0 CHECKLIST OF ALL TESTS & CHECKS:

This checklist is provided to ensure that all tests or checks required for this protocol have been executed.

Tests or Checks	(Yes/No)	Remarks
Vacuum Leak Test (Cold)		
Bowie-Dick Test		
DOWIC-DICK TEST		
Heat Penetration Study Standard Process		
(Manufacturing accessories)		
a) Mfg accessories load-Minimum load		
b) Mfg accessories load-Maximum load		
c) Orientator load		
Heat Penetration Study HPHV Process 01 a) Garment –minimum load		
b)Garment –Maximum load		
c)Inner garments –minimum load		
d)Inner garments maximum load		
Heat Penetration Study HPHV Process 02		
a)Machine parts-Minimum load		
b)Machine parts-Maximum load		
c)Filtration accessories-Minimum load		
d)Filtration accessories-Maximum load		
Checked By	Verified By	7
(Production)	(Quality As	
Sign/Date:		······
	9	
Inference:		
	Th. 1. T.	
	Reviewed I	•
	(Manager (
	Sign/Date:	



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9.0	DOCUMENTS TO BE ATTACHED:		
	Any Other Relevant Documents.		
10.0	NON COMPLIANCE:		
11.0	DEVIATION FROM PREDEFINED SPECIFICATION IF, ANY:		
12.0	CHANGE CONTROL, IF ANY:		



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13.0	REVIEW (INCLUSIVE OF FOLLOW UP ACTION, IF ANY):
14.0	CONCLUSION:
15.0	RECOMMENDATION:

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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

16.0 ABBREVIATIONS:

cGMP : Current Good Manufacturing Practices

DQ : Design Qualification

IQ : Installation Qualification

mm : Millimetre

No. : Number

OQ : Operational Qualification

PQ : Performance Qualification

SOP : Standard Operating Procedure

Sr. : Senior

SS : Stain less Steel

AFM : Ampoule Filling & Sealing Machine

WHO : World Health Organization

PVT : Private

LTD. : Limited



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PERFORMANCE QUALIFICATION REPORT FOR BIO-CHALLENGE STUDY FOR HIGH PRESSURE HIGH VACUUM STEAM STERILIZER

17.0 REPORT POST APPROVAL:

INITIATED BY:

DESIGNATION	NAME	SIGNATURE	DATE
OFFICER / EXECUTIVE (QUALITY ASSURANCE)			

REVIEWED BY:

DESIGNATION	NAME	SIGNATURE	DATE
OPERATING MANAGER			
(QUALITY ASSURANCE)			
HEAD			
(ENGINEERING)			
HEAD (PRODUCTION)			

APPROVED BY:

DESIGNATION	NAME	SIGNATURE	DATE
HEAD (QUALITY ASSURANCE)			