



VOL-01

PERFORMANCE QUALIFICATION PROTOCOL

Annex-01.02

Turn Over Package

FOR
AUTOCLAVE
(M-AUX-AU014)
OF
MIDDLE EAST FOR VACCINES (MEVAC)
AL-SALEHIA

CLIENT:



QUALIFICATION PROVIDER:



Package Content:

VOL-01 Performance Qualification Protocol

Annex-01.01) Results Data Sheets

Annex-01.02) Turn Over Package (Attachments)



VOL-01) PERFORMANCE QUALIFICATION PROTOCOL

ANNEX 01.02.01

ATTACHMENTS

Content:

01.02.01.01	MAXIMUM SOLID DISTRIBUTION Cycle Printouts
01.02.02.01	MAXIMUM SOLID PENETRATION Cycle Printouts
01.02.01.02	Raw Data (on CD)
01.02.01.03	Inspection Label
01.02.01.04	Reference Equipment Calibration Certificates
01.02.01.05	Inspection Certificate

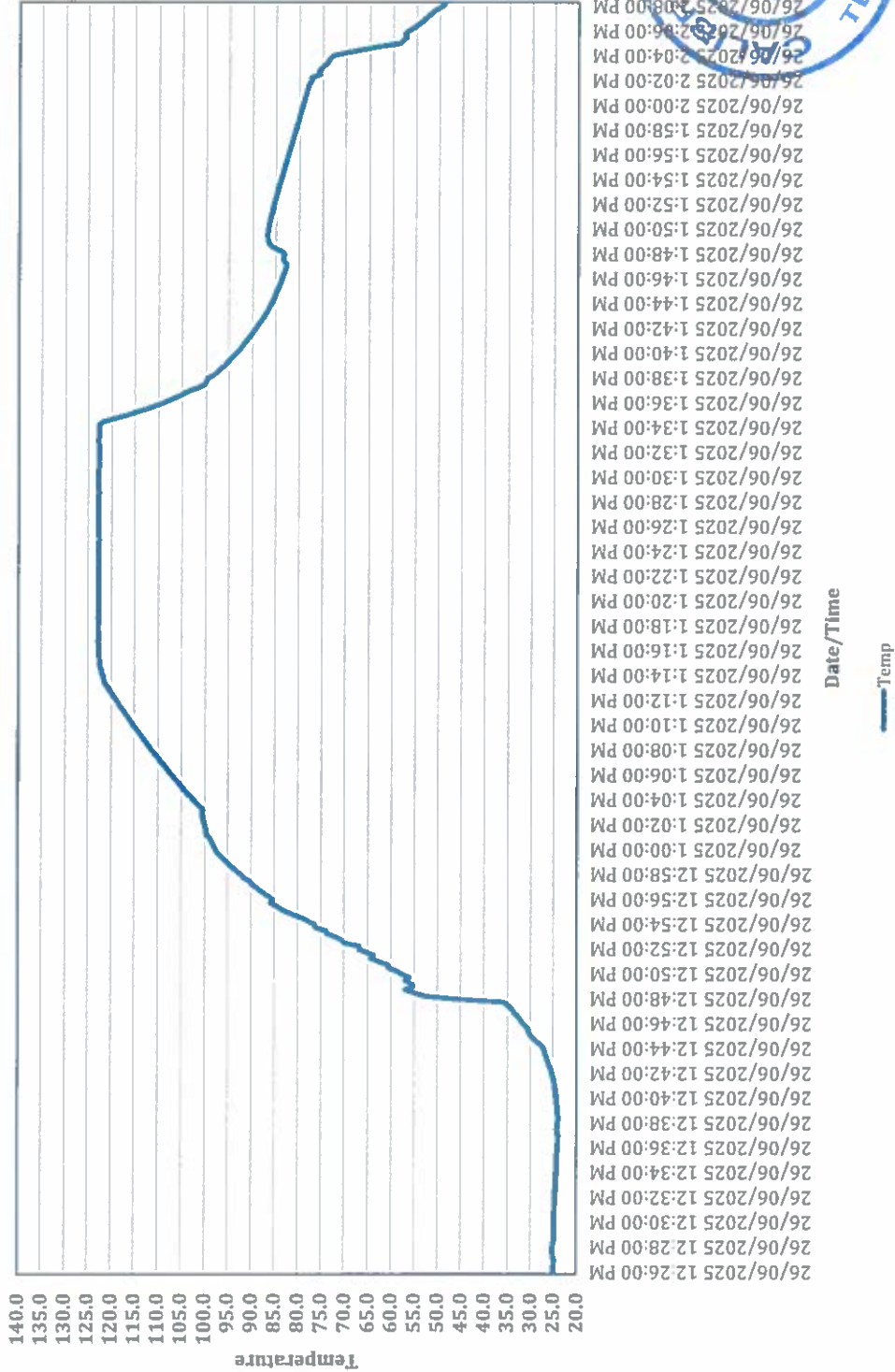


VOL-01) PERFORMANCE QUALIFICATION PROTOCOL**ANNEX 01.02.01****ATTACHMENTS****ATTACHMENTS 01.02.01.01**MAXIMUM SOLID DISTRIBUTION Cycle
Printouts

Doc. No.: PQR-V-00725
Cycle Start Date/Time
Cycle Stop Date/Time
Sterilization Start Date/Time
Sterilization Stop Date/Time

T (°C)

1. 1011004332



Performance Qualification for

Autoclave (M-AUX-AU014)

Doc. No.: PQR-V-00725

Cycle Start Date/Time 26/06/2025 12:26:00 PM

Cycle Stop Date/Time 26/06/2025 2:08:15 PM

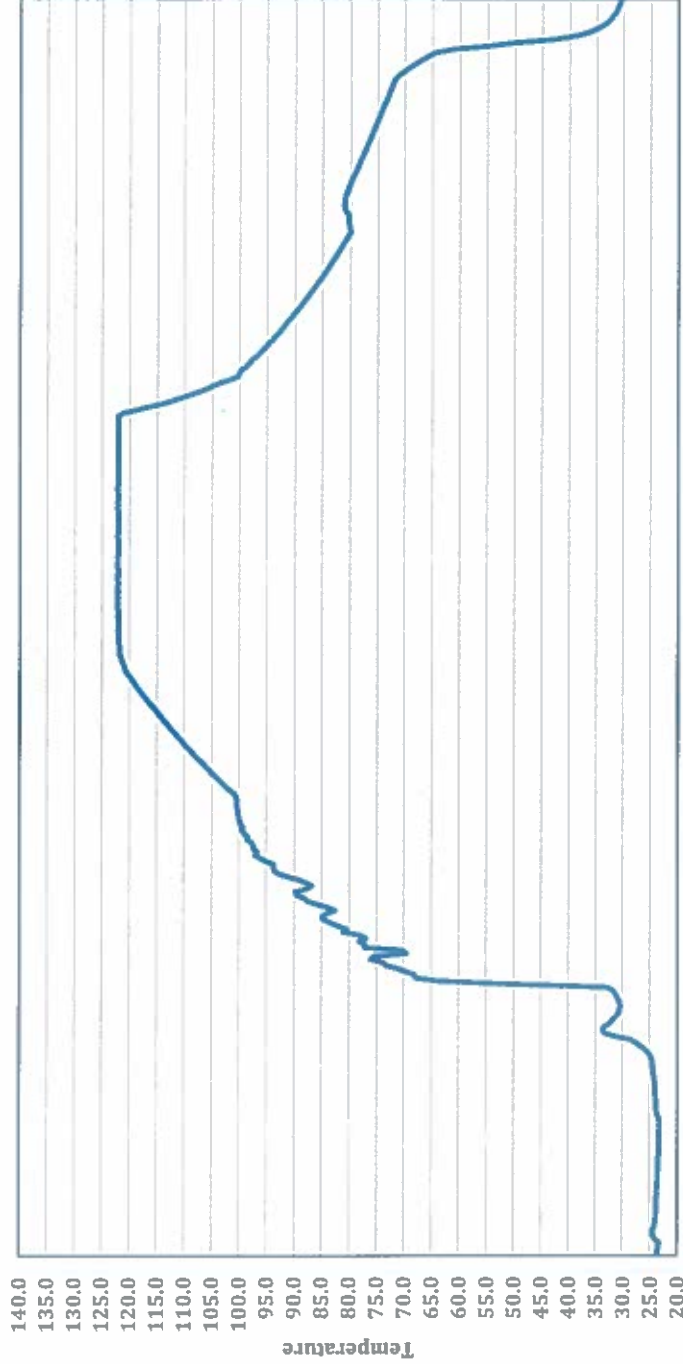
Sterilization Start Date/Time 26/06/2025 1:14:00 PM

Sterilization Stop Date/Time 26/06/2025 1:34:30 PM



T (°C)

2. 1001009966



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26/06/2025 12:28:15 PM
26/06/2025 12:30:30 PM
26/06/2025 12:32:45 PM
26/06/2025 12:35:00 PM
26/06/2025 12:37:15 PM
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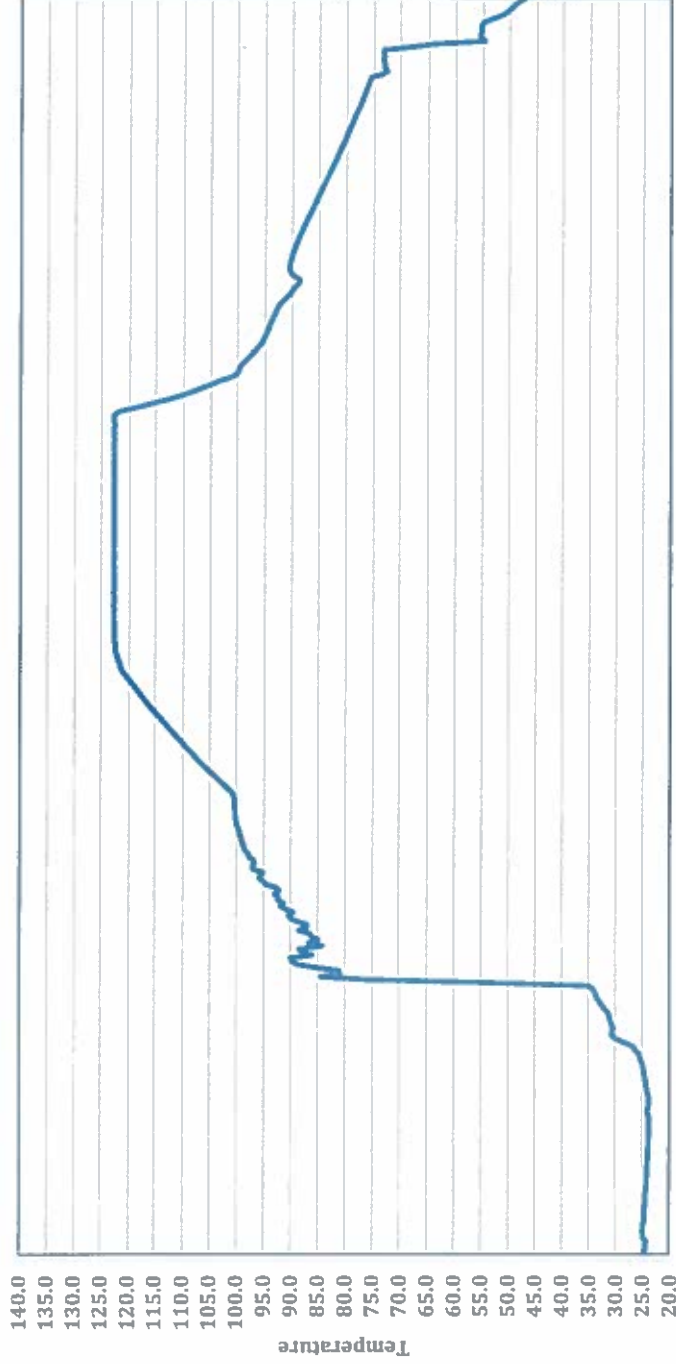
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Sterilization Start Date/Time	26/06/2025 1:14:00 PM
Sterilization Stop Date/Time	26/06/2025 1:34:30 PM

T (°C)

3. 1011004203



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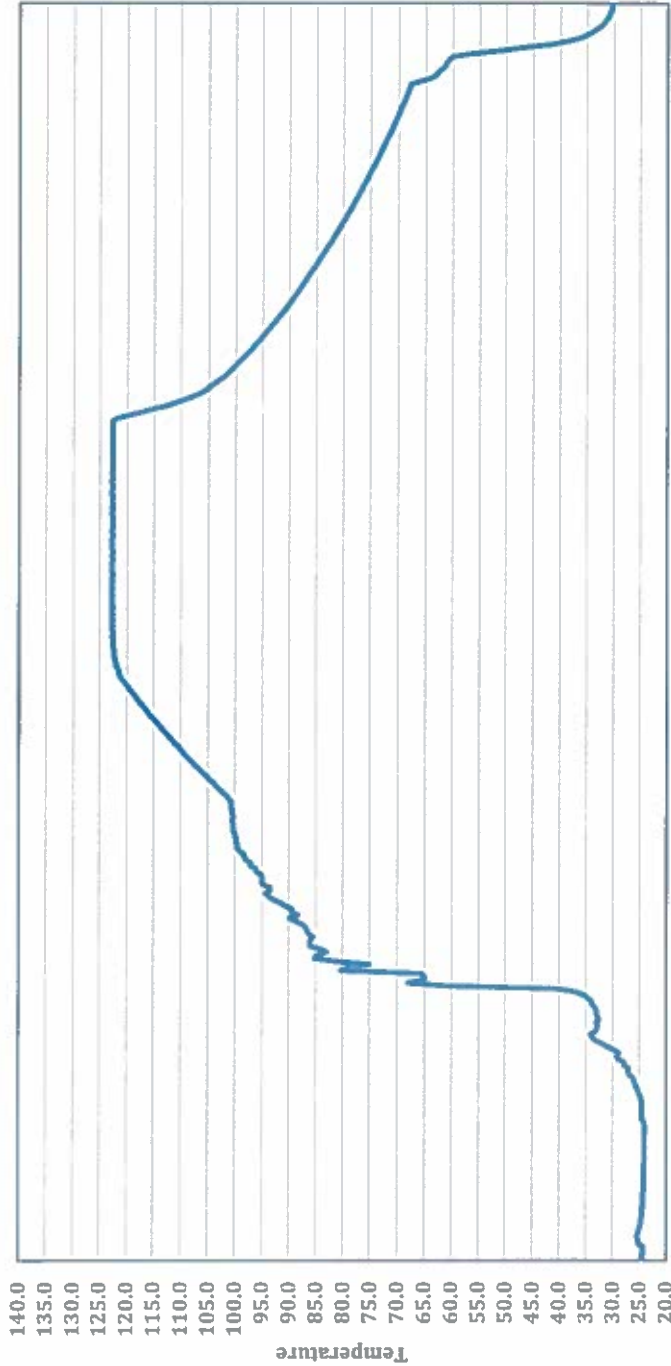
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Sterilization Start Date/Time
Sterilization Stop Date/Time

T (°C)

4. 1011004509



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Sterilization Start Date/Time
Sterilization Stop Date/Time

T (°C)

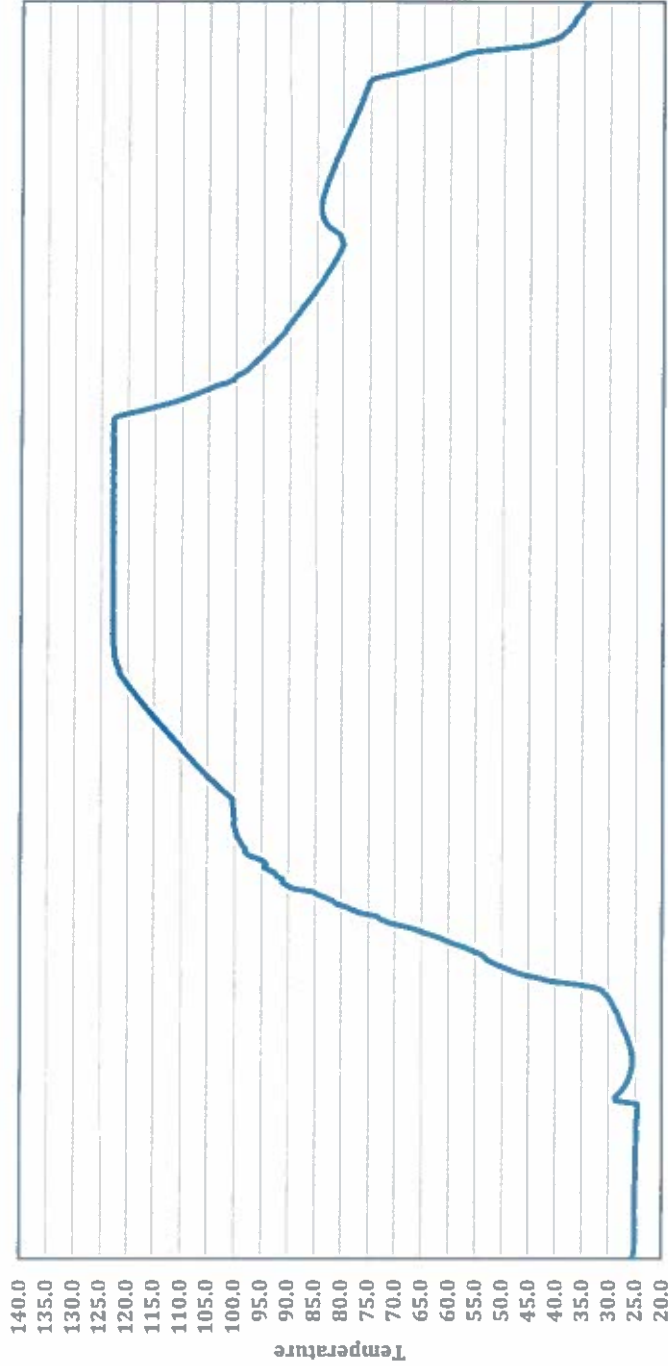
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T (°C)

6. 1011004106



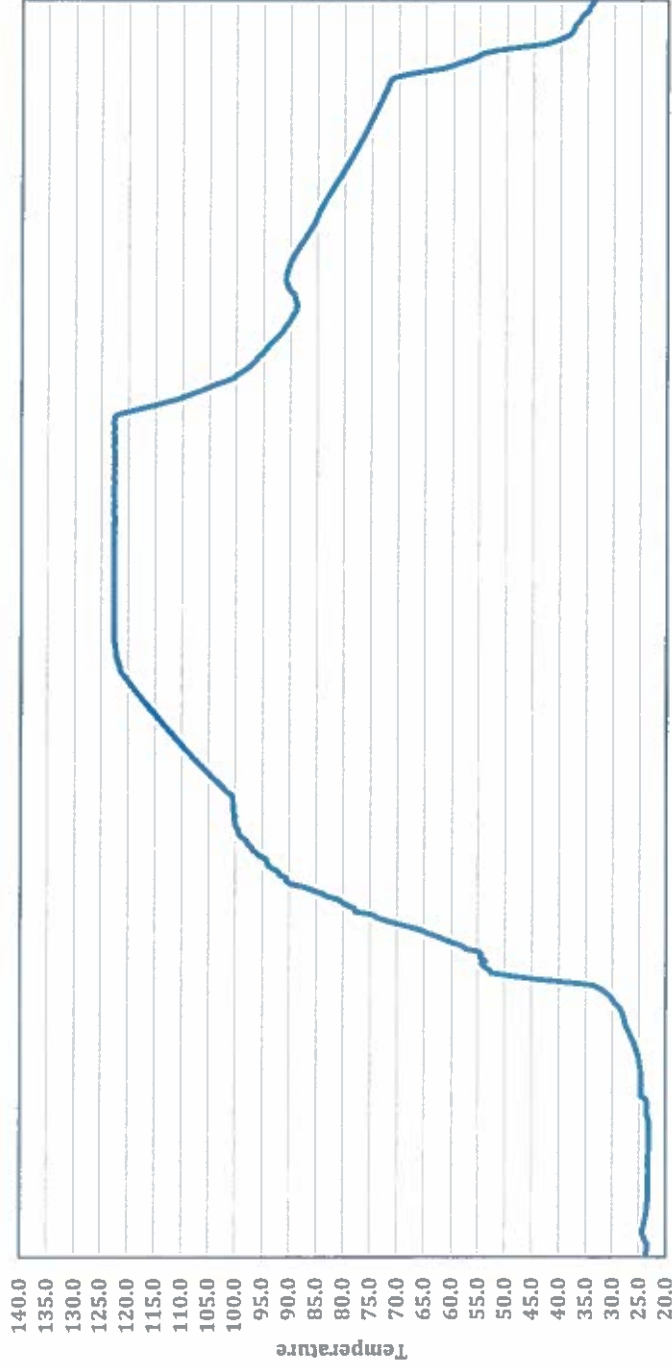
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Sterilization Start Date/Time
Sterilization Stop Date/Time

T (°C)

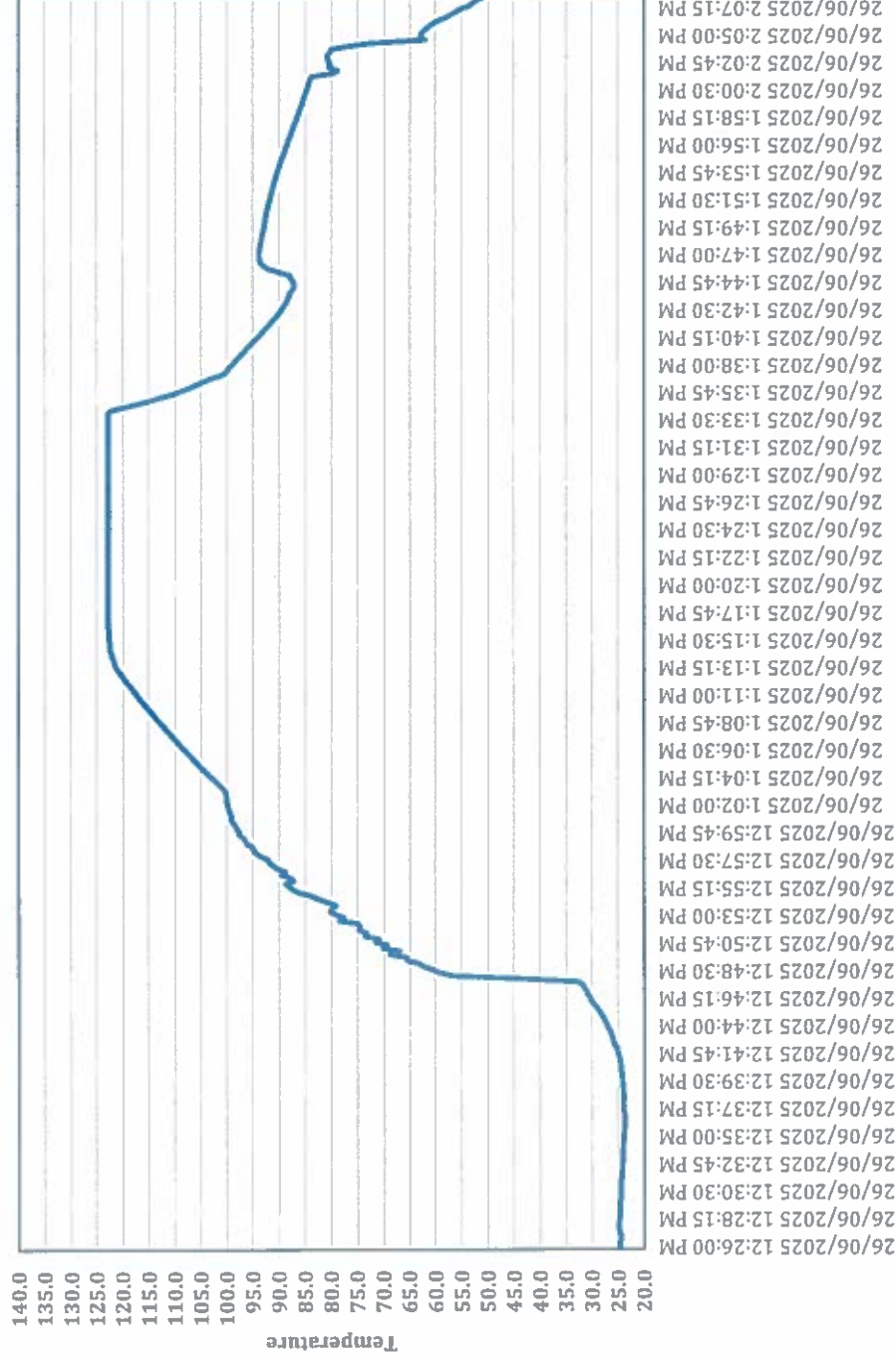
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Doc. No.: PQR-V-00725	
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Sterilization Stop Date/Time	26/06/2025 1:34:30 PM

T (°C)

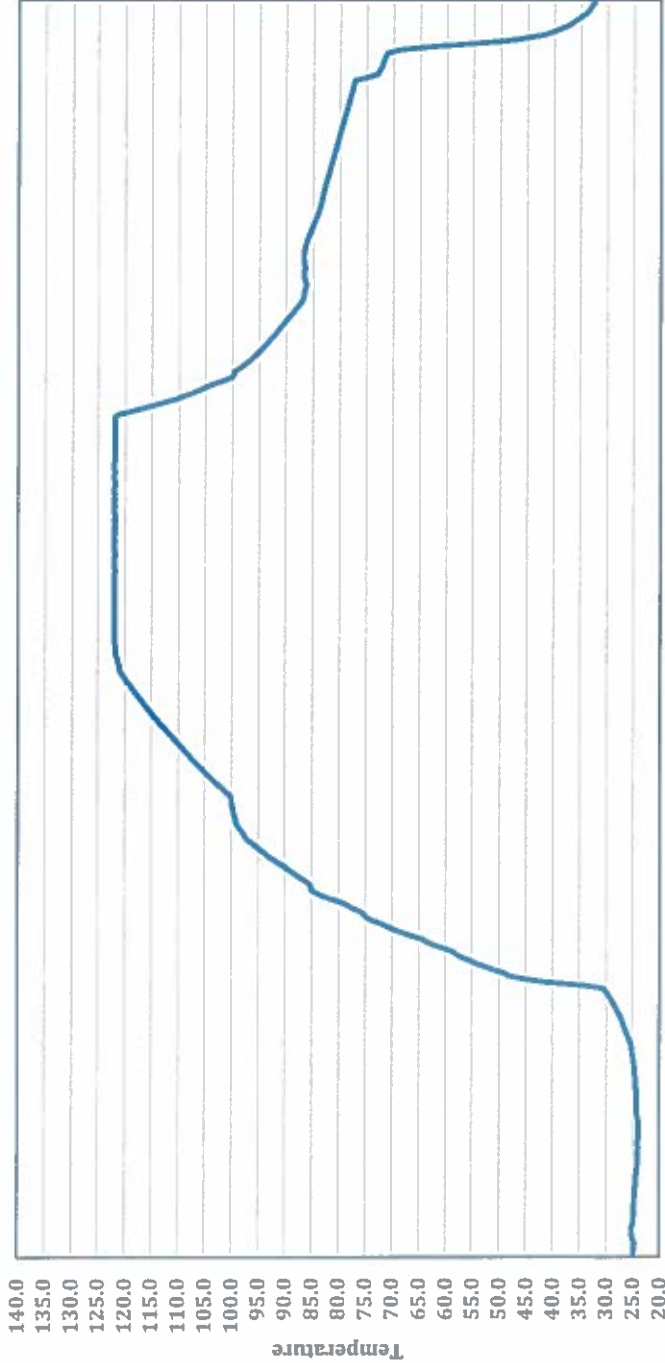
8. 1011004338



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Sterilization Stop Date/Time	26/06/2025 1:34:30 PM

T (°C)

9.1011004404



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Date/Time
Temp





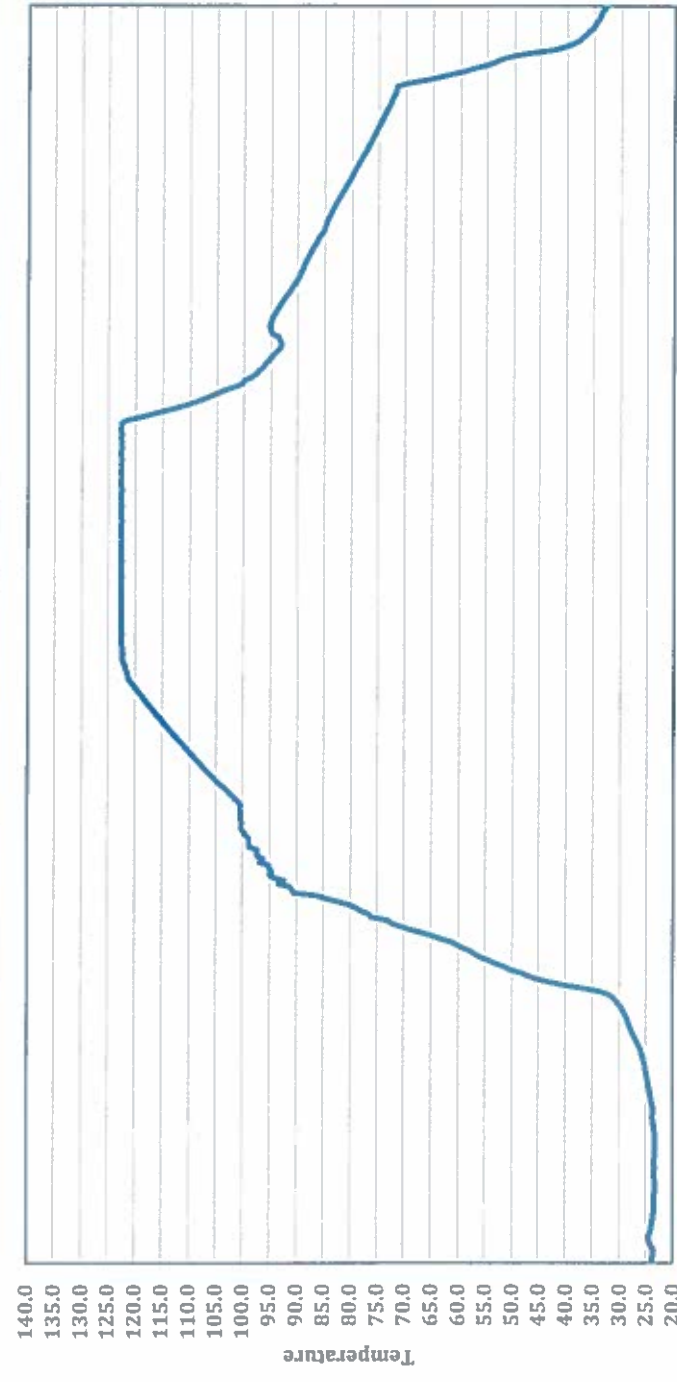
Performance Qualification for Autoclave (M-AUX-AU014)

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Sterilization Start Date/Time	26/06/2025 1:14:00 PM
Sterilization Stop Date/Time	26/06/2025 1:34:30 PM



T (°C)

10.1011004503



Doc. No.: PQR-V-00725
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Cycle Stop Date/Time26/06/2025 2:08:15 PM
Sterilization Start Date/Time26/06/2025 1:14:00 PM
Sterilization Stop Date/Time26/06/2025 1:34:30 PM

P (bar)

Pressure



Date/Time
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26/06/2025 2:07:15 PM



VOL-01) PERFORMANCE QUALIFICATION PROTOCOL

ANNEX 01.02.01 **ATTACHMENTS**

ATTACHMENTS 01.02.02.01

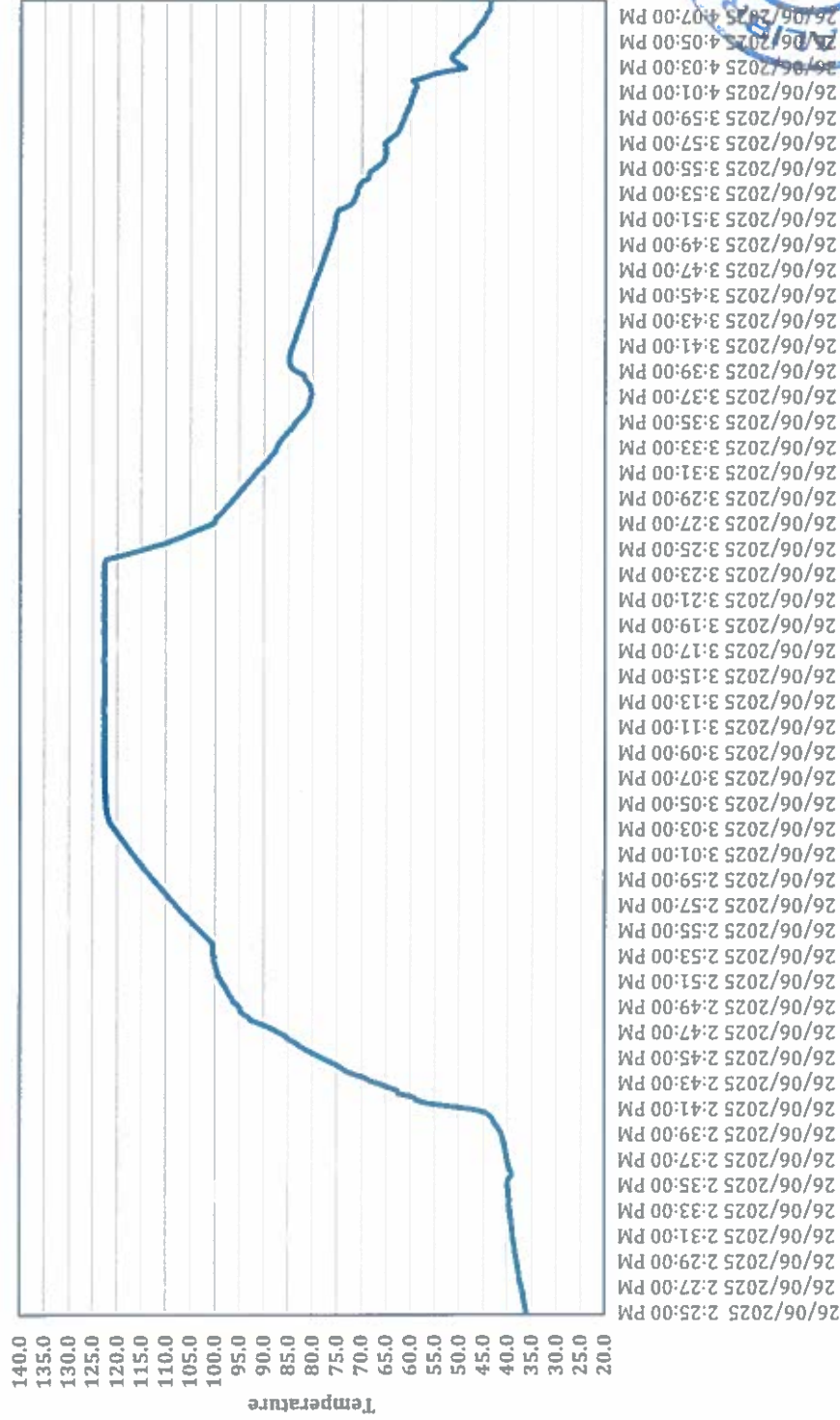
MAXIMUM SOLID PENETRATION Cycle
Printouts



Doc. No.: PQR-V-00725
Cycle Start Date/Time
Cycle Stop Date/Time
Sterilization Start Date/Time
Sterilization Stop Date/Time

T (°C)

1. 1011004332

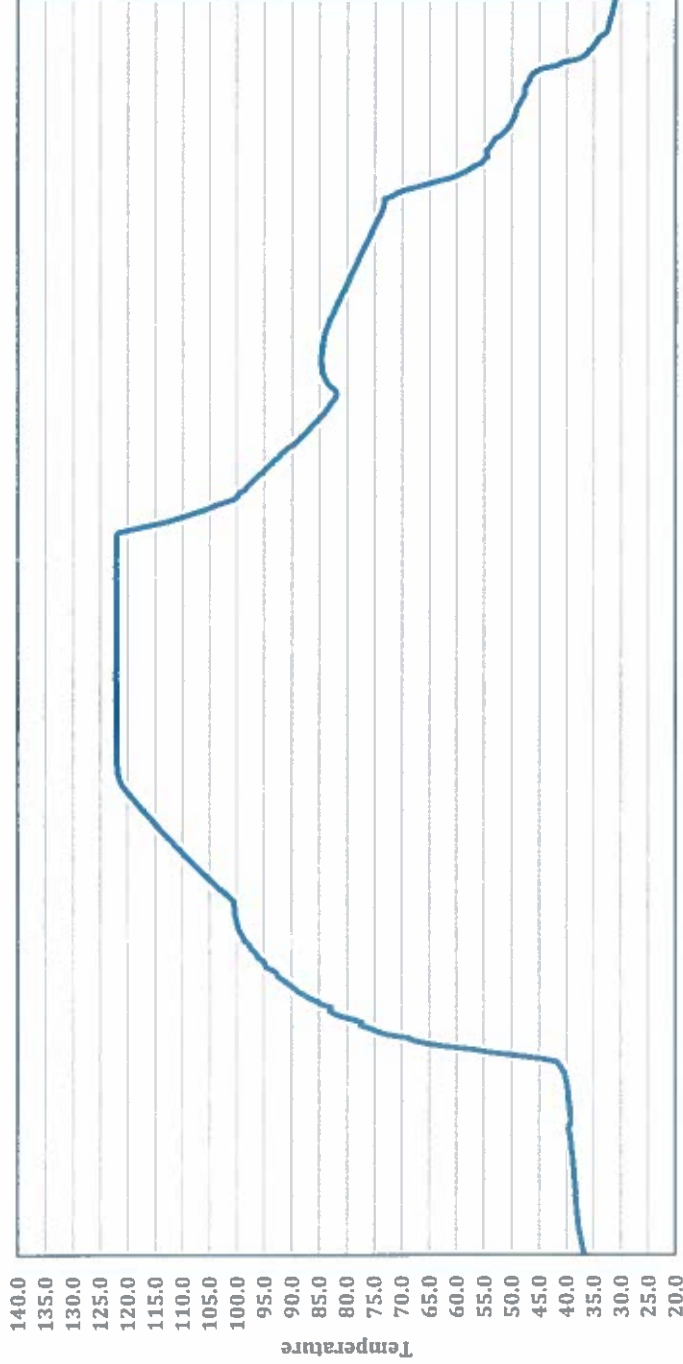


Performance Qualification for Autoclave (M-AUX-AU014)

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Sterilization Start Date/Time	26/06/2025 3:03:45 PM
Sterilization Stop Date/Time	26/06/2025 3:24:15 PM

T (°C)

2. 1001009966



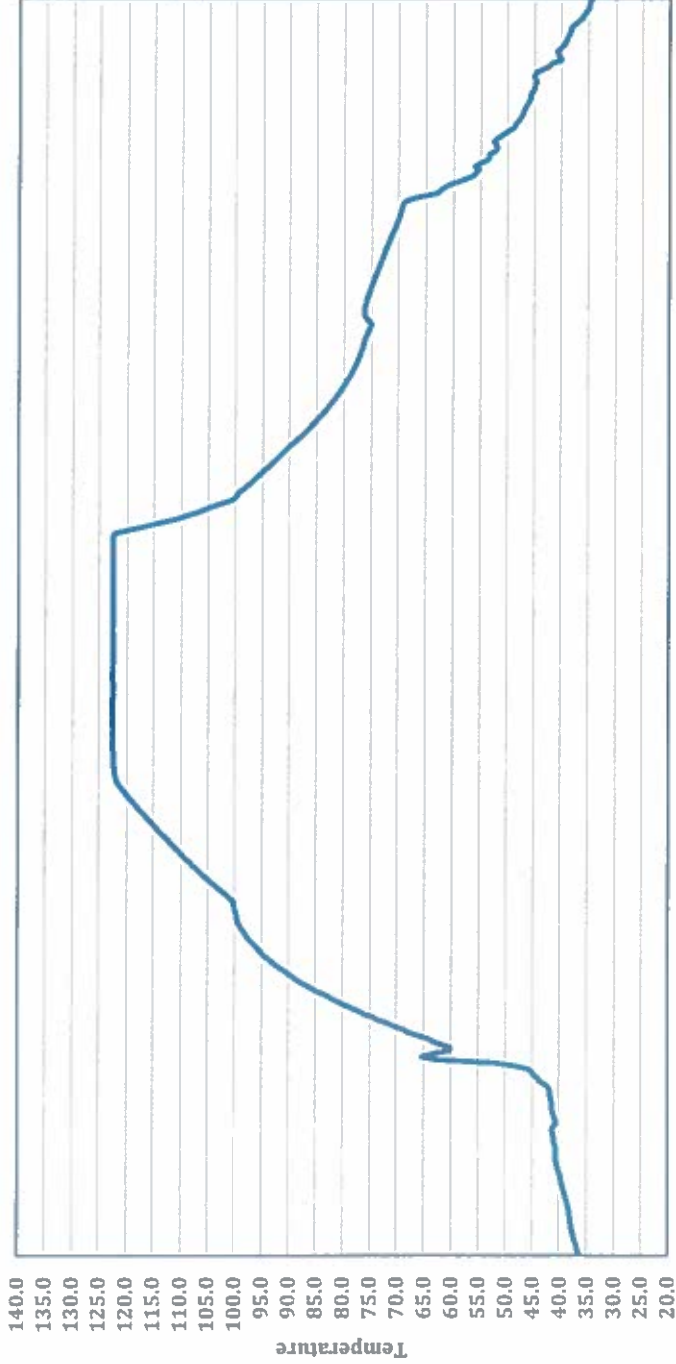
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T (°C)

3. 1011004203



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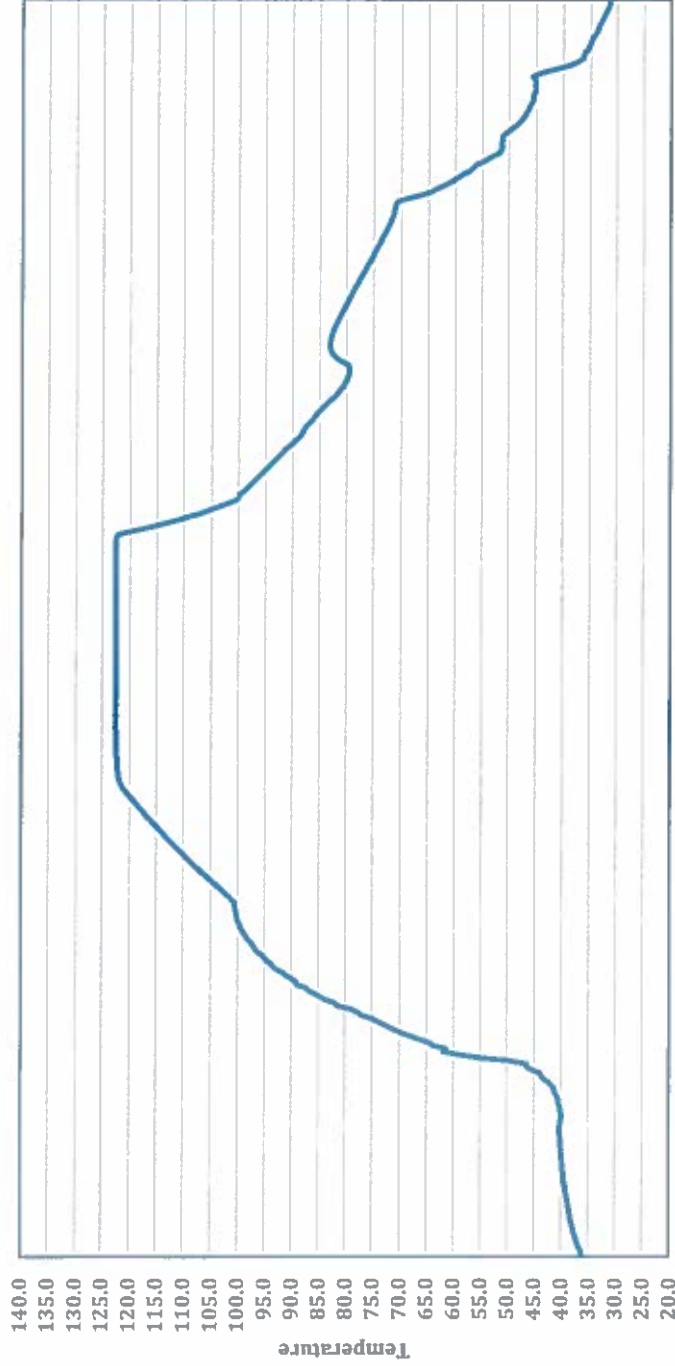
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T (°C)

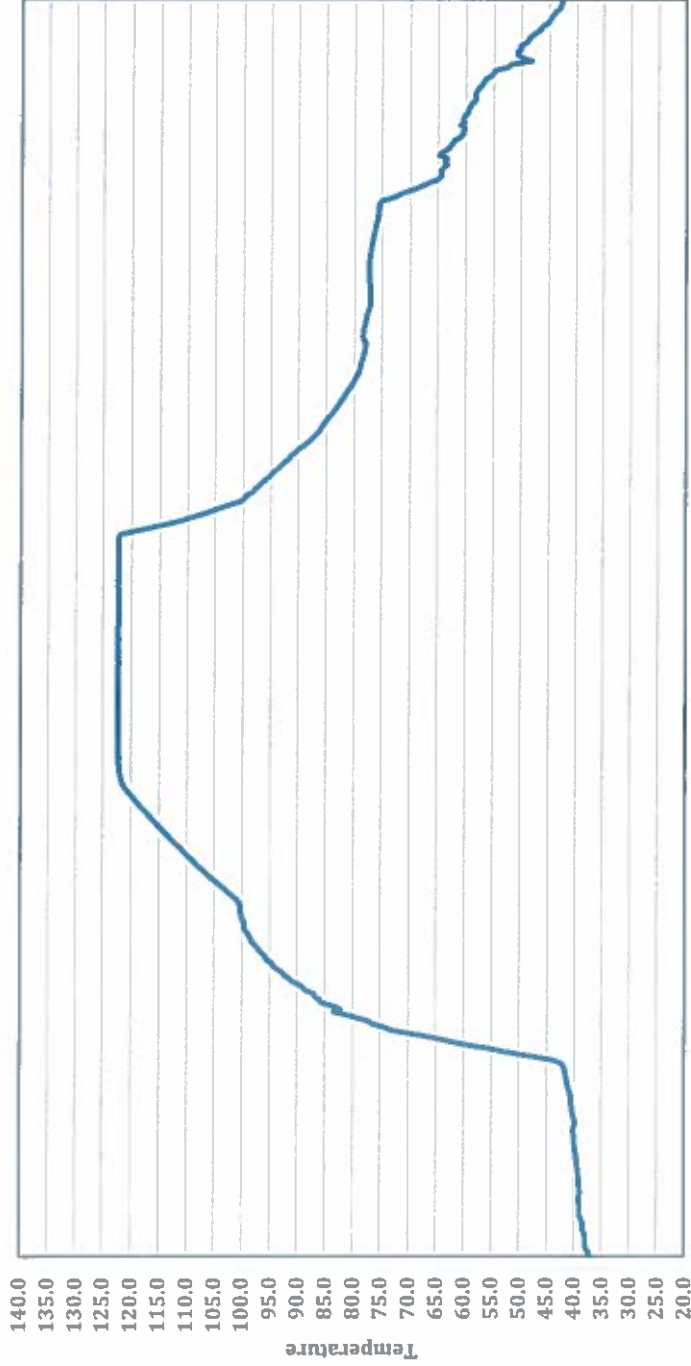
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26/06/2025 3:24:15 PM

T (°C)

5.1011004211



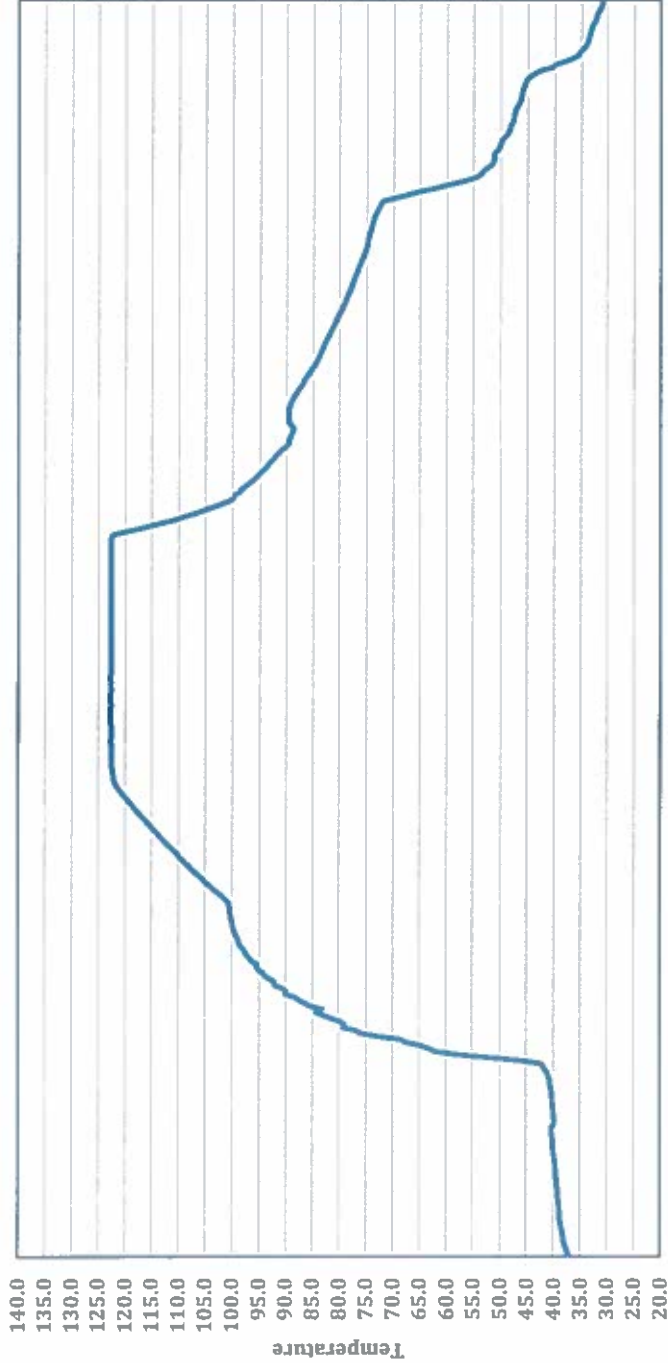
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26/06/2025 3:23:30 PM
26/06/2025 3:25:45 PM
26/06/2025 3:28:00 PM
26/06/2025 3:30:15 PM
26/06/2025 3:32:30 PM
26/06/2025 3:34:45 PM
26/06/2025 3:37:00 PM
26/06/2025 3:39:15 PM
26/06/2025 3:41:30 PM
26/06/2025 3:43:45 PM
26/06/2025 3:46:00 PM
26/06/2025 3:48:15 PM
26/06/2025 3:50:30 PM
26/06/2025 3:52:45 PM
26/06/2025 3:55:00 PM
26/06/2025 3:57:15 PM
26/06/2025 3:59:30 PM
26/06/2025 4:01:45 PM
26/06/2025 4:04:00 PM
26/06/2025 4:06:15 PM



Doc. No.:	PQR-V-00725
Cycle Start Date/Time	26/06/2025 2:25:00 PM
Cycle Stop Date/Time	26/06/2025 4:07:15 PM
Sterilization Start Date/Time	26/06/2025 3:03:45 PM
Sterilization Stop Date/Time	26/06/2025 3:24:15 PM

T (°C)

6. 1011004106



26/06/2025 2:25:00 PM
26/06/2025 2:27:15 PM
26/06/2025 2:29:30 PM
26/06/2025 2:31:45 PM
26/06/2025 2:34:00 PM
26/06/2025 2:36:15 PM
26/06/2025 2:38:30 PM
26/06/2025 2:40:45 PM
26/06/2025 2:43:00 PM
26/06/2025 2:45:15 PM
26/06/2025 2:47:30 PM
26/06/2025 2:49:45 PM
26/06/2025 2:52:00 PM
26/06/2025 2:54:15 PM
26/06/2025 2:56:30 PM
26/06/2025 2:58:45 PM
26/06/2025 3:01:00 PM
26/06/2025 3:03:15 PM
26/06/2025 3:05:30 PM
26/06/2025 3:07:45 PM
26/06/2025 3:10:00 PM
26/06/2025 3:12:15 PM
26/06/2025 3:14:30 PM
26/06/2025 3:16:45 PM
26/06/2025 3:19:00 PM
26/06/2025 3:21:15 PM
26/06/2025 3:23:30 PM
26/06/2025 3:25:45 PM
26/06/2025 3:28:00 PM
26/06/2025 3:30:15 PM
26/06/2025 3:32:30 PM
26/06/2025 3:34:45 PM
26/06/2025 3:37:00 PM
26/06/2025 3:39:15 PM
26/06/2025 3:41:30 PM
26/06/2025 3:43:45 PM
26/06/2025 3:46:00 PM
26/06/2025 3:48:15 PM
26/06/2025 3:50:30 PM
26/06/2025 3:52:45 PM
26/06/2025 3:55:00 PM
26/06/2025 3:57:15 PM
26/06/2025 3:59:30 PM
26/06/2025 4:01:45 PM
26/06/2025 4:04:00 PM
26/06/2025 4:06:15 PM

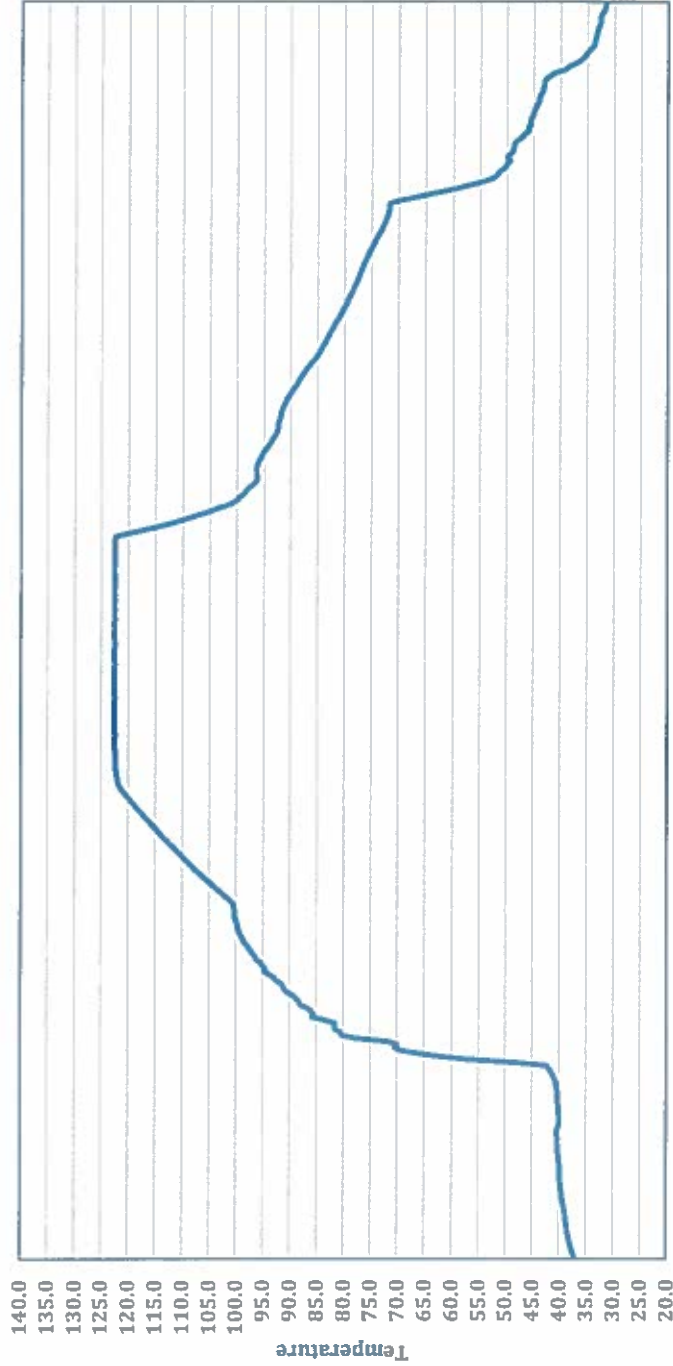
Date/Time
Temp



Doc. No.: PQR-V-00725
Cycle Start Date/Time
Cycle Stop Date/Time
Sterilization Start Date/Time
Sterilization Stop Date/Time

T (°C)

7. 1011004102



Doc. No.: PQR-V-00725	
Cycle Start Date/Time	26/06/2025 2:25:00 PM
Cycle Stop Date/Time	26/06/2025 4:07:15 PM
Sterilization Start Date/Time	26/06/2025 3:03:45 PM
Sterilization Stop Date/Time	26/06/2025 3:24:15 PM

T (°C)

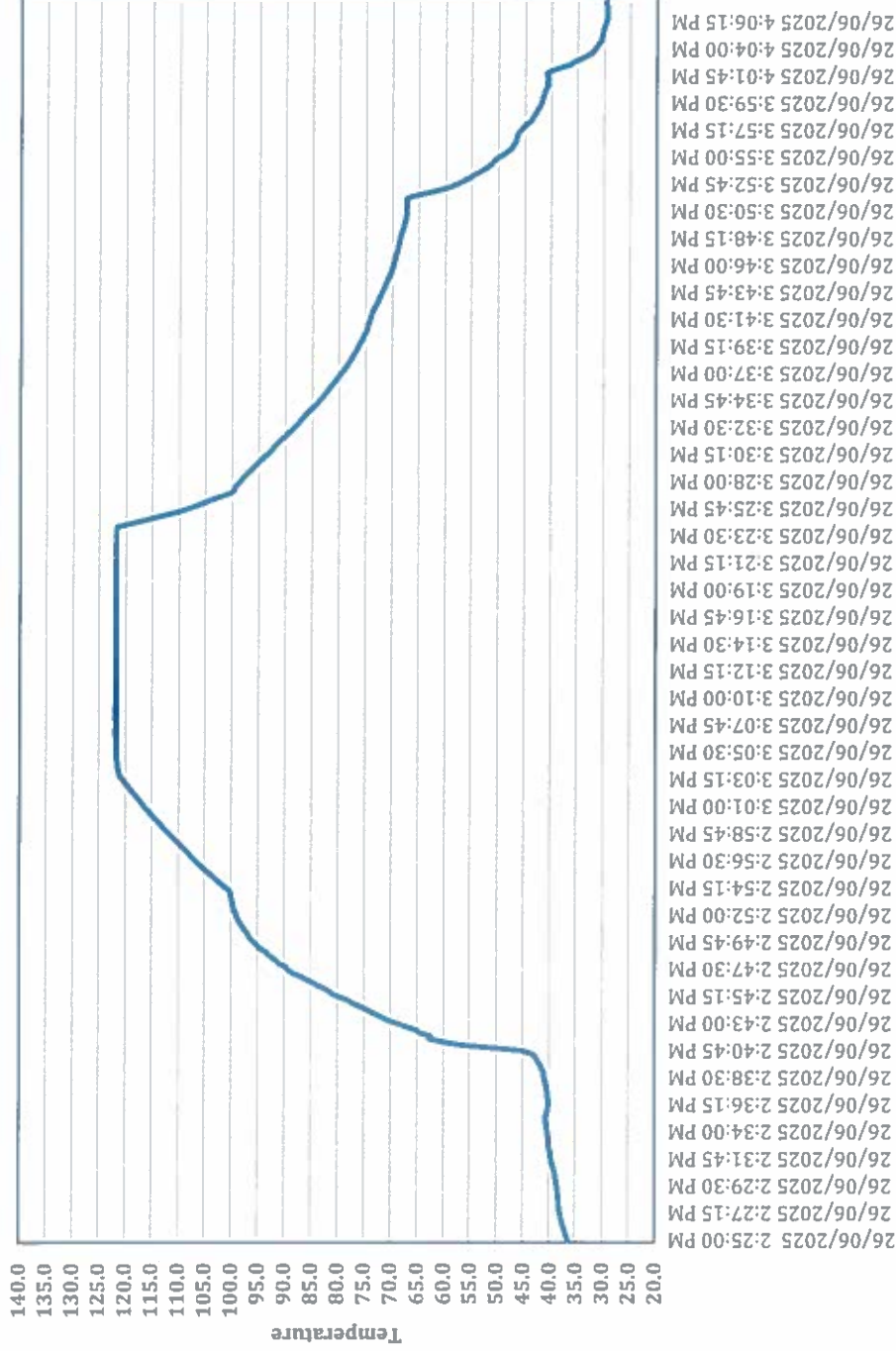
8. 1011004338



Doc. No.: PQR-V-00725	
Cycle Start Date/Time	26/06/2025 2:25:00 PM
Cycle Stop Date/Time	26/06/2025 4:07:15 PM
Sterilization Start Date/Time	26/06/2025 3:03:45 PM
Sterilization Stop Date/Time	26/06/2025 3:24:15 PM

T (°C)

9.1011004404





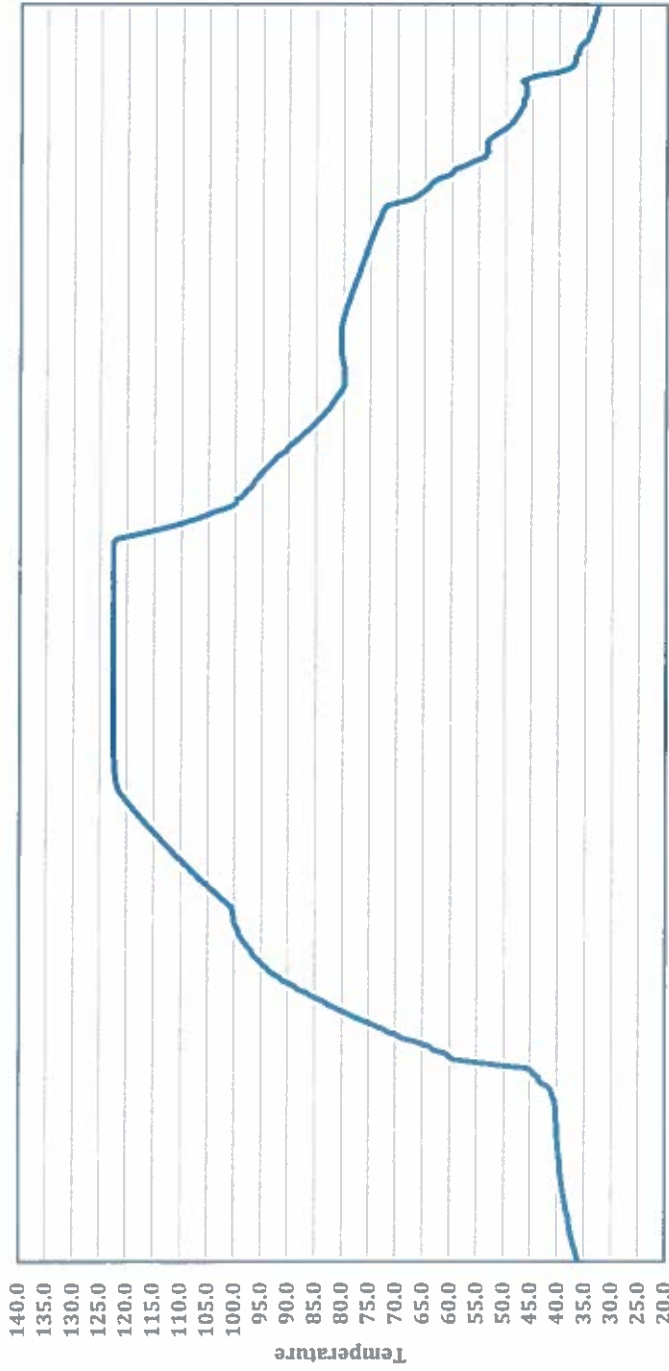
Performance Qualification for Autoclave (M-AUX-AU014)

Doc. No.: PQR-V-00725	
Cycle Start Date/Time	26/06/2025 2:25:00 PM
Cycle Stop Date/Time	26/06/2025 4:07:15 PM
Sterilization Start Date/Time	26/06/2025 3:03:45 PM
Sterilization Stop Date/Time	26/06/2025 3:24:15 PM



T (°C)

10.1011004503



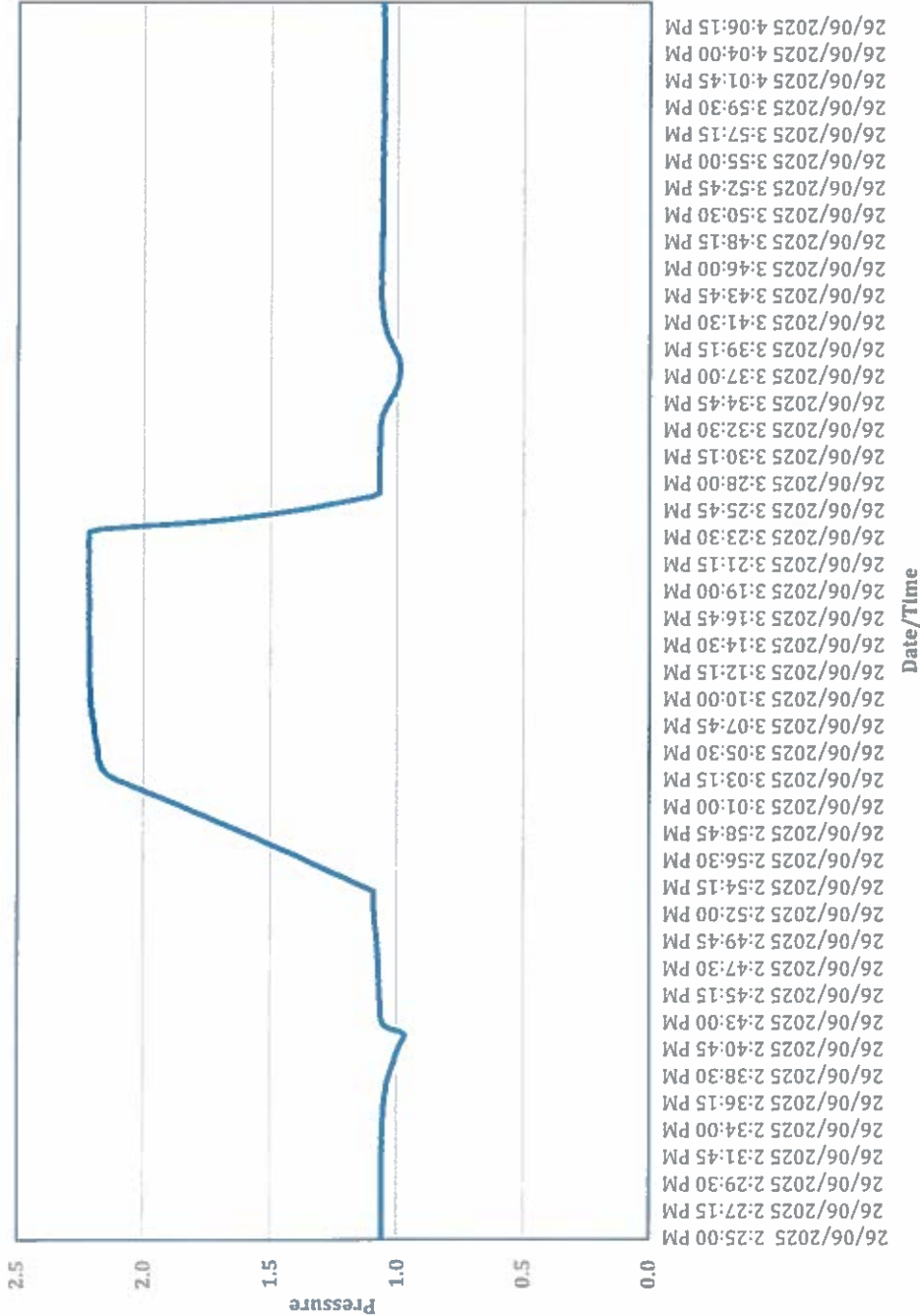
Date/Time	Temp
26/06/2025 2:25:00 PM	35.0
26/06/2025 2:27:15 PM	40.0
26/06/2025 2:29:30 PM	45.0
26/06/2025 2:31:45 PM	50.0
26/06/2025 2:34:00 PM	55.0
26/06/2025 2:36:15 PM	60.0
26/06/2025 2:38:30 PM	65.0
26/06/2025 2:40:45 PM	70.0
26/06/2025 2:43:00 PM	75.0
26/06/2025 2:45:15 PM	80.0
26/06/2025 2:47:30 PM	85.0
26/06/2025 2:49:45 PM	90.0
26/06/2025 2:52:00 PM	95.0
26/06/2025 2:54:15 PM	100.0
26/06/2025 2:56:30 PM	105.0
26/06/2025 2:58:45 PM	110.0
26/06/2025 3:01:00 PM	115.0
26/06/2025 3:03:15 PM	120.0
26/06/2025 3:05:30 PM	120.0
26/06/2025 3:07:45 PM	120.0
26/06/2025 3:10:00 PM	120.0
26/06/2025 3:12:15 PM	120.0
26/06/2025 3:14:30 PM	120.0
26/06/2025 3:16:45 PM	120.0
26/06/2025 3:19:00 PM	120.0
26/06/2025 3:21:15 PM	120.0
26/06/2025 3:23:30 PM	120.0
26/06/2025 3:25:45 PM	120.0
26/06/2025 3:28:00 PM	120.0
26/06/2025 3:30:15 PM	120.0
26/06/2025 3:32:30 PM	120.0
26/06/2025 3:34:45 PM	120.0
26/06/2025 3:37:00 PM	120.0
26/06/2025 3:39:15 PM	120.0
26/06/2025 3:41:30 PM	120.0
26/06/2025 3:43:45 PM	120.0
26/06/2025 3:46:00 PM	120.0
26/06/2025 3:48:15 PM	120.0
26/06/2025 3:50:30 PM	120.0
26/06/2025 3:52:45 PM	120.0
26/06/2025 3:55:00 PM	120.0
26/06/2025 3:57:15 PM	120.0
26/06/2025 3:59:30 PM	120.0
26/06/2025 4:01:45 PM	120.0
26/06/2025 4:04:00 PM	120.0
26/06/2025 4:06:15 PM	120.0



Doc. No.: PQR-V-00725	
Cycle Start Date/Time	26/06/2025 2:25:00 PM
Cycle Stop Date/Time	26/06/2025 4:07:15 PM
Sterilization Start Date/Time	26/06/2025 3:03:45 PM
Sterilization Stop Date/Time	26/06/2025 3:24:15 PM

P (bar)

Pressure



VOL-01) PERFORMANCE QUALIFICATION PROTOCOL

ANNEX 01.02.01
ATTACHMENTS

ATTACHMENTS 01.02.01.02

Raw Data (on CD)



VOL-01) PERFORMANCE QUALIFICATION PROTOCOL

ANNEX 01.02.01
ATTACHMENTS

ATTACHMENTS 01.02.01.03

Inspection Label



Issue No.: 01.0
Issue Date: 01 Oct. 2024

Blue Inspection Label

Doc. No: F-7.2/02



	Inspection	
	ID Autoclave (M-AUX-AU014)	
	Date Jun., 2025	Due Jun., 2026
	Inspected by <i>Ahmed Mohamed</i>	

VOL-01) PERFORMANCE QUALIFICATION PROTOCOL

ANNEX 01.02.01 ATTACHMENTS

ATTACHMENTS 01.02.01.04

Reference Equipment Calibration Certificates



CALIBRATION CERTIFICATE



TAG
CALIBRATION

TAG LAB ☒

On Site ☐

Certificate No.: 001 - 001 - 163 - 2025

Customer Information

Customer: TAG LAB
Address: 6th of October City
Email/Tel: Info@technoairgate.com

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.01 °C
Manufacture:	Tecnosoft s.r.l.	Accuracy:	NA
Model:	SterilDisk Probe 20	Serial Number:	1011004332
Code:	1011004332	Range:	((-40) - 140) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GMH	Range:	((-40) to 350) °C
Model:	GMH 3710	Serial Number:	32403245/117

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature sensor with indicator CM-T-001 based on EURMET Version 2.1 (10/2011), Version 3.0 (02/2019), Version 3.1 (02/2020).

Uncertainty: The reported expanded uncertainty is based on GUM Standard and the standard Uncertainty multiplied by coverage factor k_p value to give confidence level of 95%.

Traceability: The traceability of measurement results to the SI units calibrated by the National Standard maintained at NIS with Certificate No. (1459/32C002/161/1774/2024).

Notes:

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CALIBRATION CERTIFICATE



Certificate No.: 001 - 001 - 163 - 2025

Reading Information				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
100.00	99.55	0.45	0.16	Pass
115.00	114.58	0.42	0.16	Pass
121.00	120.76	0.24	0.16	Pass
125.00	124.63	0.37	0.16	Pass
135.00	134.79	0.21	0.16	Pass

Environmental Conditions During Calibration

Temperature: 23 ± 5 °C
Relative Humidity: 45 ± 15 %
Pressure: 1.013 bar

Calibration Results

Max. Reading Error: 0.45 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.16 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

04 May 2025

Issue Date

05 May 2025

Calibration Date

04 May 2025

Calibration Due

03 Nov 2025

Calibrated By

Name: Bassem Hesham

Title: Calibration Specialist

Signature: *Bassem H. Shamsy*

Date: 04 May 2025

Prepared by

Noha Essam

Technical Office Specialist

Noha Essam

05 May 2025

Reviewed & Approved By

Ahmed Tarek

Technical Manager



F-7 8/06

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CALIBRATION CERTIFICATE

TAG LAB ☒On Site ☐

Certificate No.: 001 - 001 - 154 - 2025

Customer Information

Customer: TAG LAB
Address: 6th of October City
Email/Tel: Info@technoairgate.com

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.01 °C
Manufacture:	Tecnsoft s.r.l.	Accuracy:	NA
Model:	SterilDisk Probe 50	Serial Number:	1001009966
Code:	1001009966	Range:	((-40) - 140) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GMH	Range:	((-40) to 350) °C
Model:	GMH 3710	Serial Number:	32403245/117

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\leq 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature sensor with indicator CM-T-001 based on EURMET Version 2.1 (10/2011), Version 3.0 (02/2019), Version 3.1 (02/2020).

Uncertainty: The reported expanded uncertainty is based on GUM Standard and the standard Uncertainty multiplied by coverage factor k_p value to give confidence level of 95%.

Traceability: The traceability of measurement results to the SI units calibrated by the National Standard maintained at NIS with Certificate No. (1459/32C002/161/1774/2024).

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CALIBRATION CERTIFICATE



Certificate No.: 001 - 001 - 154 - 2025

Reading Information

Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
100.00	100.10	-0.10	0.16	Pass
115.00	114.70	0.30	0.16	Pass
121.00	120.51	0.49	0.16	Pass
125.00	124.53	0.47	0.16	Pass
135.00	134.59	0.41	0.16	Pass

Environmental Conditions During Calibration

Temperature: 23 ± 5 °C
Relative Humidity: 45 ± 15 %
Pressure: 1.013 bar

Calibration Results

Max. Reading Error: 0.49 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.16 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

04 May 2025

Issue Date

05 May 2025

Calibration Date

04 May 2025

Calibration Due

03 Nov 2025

Calibrated By

Name: Bassem Hesham

Title: Calibration Specialist

Signature: *Bassem H. Shams*

Date: 04 May 2025

Prepared by

Noha Essam

Technical Office Specialist

Noha Essam

05 May 2025

Reviewed & Approved By

Ahmed Tarek

Technical Manager



F-7.8/06

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Page 2 of 2

CALIBRATION CERTIFICATE

TAG LAB ☒On Site ☐

Certificate No.: 001 - 001 - 160 - 2025

Customer Information

Customer: TAG LAB
Address: 6th of October City
Email/Tel: Info@technoairgate.com

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.01 °C
Manufacture:	Tecnosoft s.r.l.	Accuracy:	NA
Model:	SterilDisk Probe 20	Serial Number:	1011004203
Code:	1011004203	Range:	((-40) - 140) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GMH	Range	((-40) to 350) °C
Model:	GMH 3710	Serial Number:	32403245/117

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature sensor with indicator CM-T-001 based on EURMET Version 2.1 (10/2011), Version 3.0 (02/2019), Version 3.1 (02/2020).

Uncertainty: The reported expanded uncertainty is based on GUM Standard and the standard Uncertainty multiplied by coverage factor k_p value to give confidence level of 95%.

Traceability: The traceability of measurement results to the SI units calibrated by the National Standard maintained at NIS with Certificate No. (1459/32C002/161/1774/2024).

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CALIBRATION CERTIFICATE



Certificate No.: 001 - 001 - 160 - 2025

Reading Information

Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
100.00	99.66	0.34	0.16	Pass
115.00	114.58	0.42	0.16	Pass
121.00	120.80	0.20	0.16	Pass
125.00	124.75	0.25	0.16	Pass
135.00	134.87	0.13	0.16	Pass

Environmental Conditions During Calibration

Temperature: 23 ± 5 °C
Relative Humidity: 45 ± 15 %
Pressure: 1.013 bar

Calibration Results

Max. Reading Error: 0.42 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.16 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

04 May 2025

Issue Date

05 May 2025

Calibration Date

04 May 2025

Calibration Due

03 Nov 2025

Calibrated By

Name: Bassem Hesham
Title: Calibration Specialist
Signature: *Bassem H. Shamsy*
Date: 04 May 2025

Prepared by

Noha Essam
Technical Office Specialist
Noha Essam
05 May 2025

Reviewed & Approved By

Ahmed Tarek
Technical Manager
Ahmed Tarek
05 May 2025



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CALIBRATION CERTIFICATE

TAG LAB ☒On Site ☐

Certificate No.: 001 - 001 - 167 - 2025

Customer Information

Customer: TAG LAB
Address: 6th of October City
Email/Tel: Info@technoairgate.com

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.01 °C
Manufacture:	Tecnsoft s.r.l.	Accuracy:	NA
Model:	SterilDisk Probe 50	Serial Number:	1011004509
Code:	1011004509	Range:	((-40) - 140) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GMH	Range:	((-40) to 350) °C
Model:	GMH 3710	Serial Number:	32403245/117

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature sensor with indicator CM-T-001 based on EURMET Version 2.1 (10/2011), Version 3.0 (02/2019), Version 3.1 (02/2020).

Uncertainty: The reported expanded uncertainty is based on GUM Standard and the standard Uncertainty multiplied by coverage factor k_p value to give confidence level of 95%.

Traceability: The traceability of measurement results to the SI units calibrated by the National Standard maintained at NIS with Certificate No. (1459/32C002/161/1774/2024).

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CALIBRATION CERTIFICATE



TAG
CALIBRATION

Certificate No.: 001 - 001 - 167 - 2025

Reading Information

Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
100.00	100.08	-0.08	0.16	Pass
115.00	115.16	-0.16	0.16	Pass
121.00	120.89	0.11	0.16	Pass
125.00	124.97	0.03	0.16	Pass
135.00	134.90	0.10	0.16	Pass

Environmental Conditions During Calibration

Temperature: 23 ± 5 °C
Relative Humidity: 45 ± 15 %
Pressure: 1.013 bar

Calibration Results

Max. Reading Error: 0.16 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.16 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

04 May 2025

Issue Date

05 May 2025

Calibration Date

04 May 2025

Calibration Due

03 Nov 2025

Calibrated By

Name: Bassem Hesham

Title: Calibration Specialist

Signature: *Bassem H. Shams*

Date: 04 May 2025

Prepared by

Noha Essam

Technical Office Specialist

Noha Essam

05 May 2025

Reviewed & Approved By

Ahmed Tarek

Technical Manager



F-7.8/06

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CALIBRATION CERTIFICATE



TAG LAB ☒ On Site ☐

Certificate No.: 001 - 001 - 161 - 2025

Customer Information

Customer: TAG LAB
Address: 6th of October City
Email/Tel: Info@technoairgate.com

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.01 °C
Manufacture:	Tecnsoft s.r.l.	Accuracy:	NA
Model:	SterilDisk Probe 20	Serial Number:	1011004211
Code:	1011004211	Range:	((-40) - 140) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GMH	Range:	((-40) to 350) °C
Model:	GMH 3710	Serial Number:	32403245/117

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature sensor with indicator CM-T-001 based on EURMET Version 2.1 (10/2011), Version 3.0 (02/2019), Version 3.1 (02/2020).

Uncertainty: The reported expanded uncertainty is based on GUM Standard and the standard Uncertainty multiplied by coverage factor k_p value to give confidence level of 95%.

Traceability: The traceability of measurement results to the SI units calibrated by the National Standard maintained at NIS with Certificate No. (1459/32C002/161/1774/2024).

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Ver. No.: 01

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CALIBRATION CERTIFICATE



Certificate No.: 001 - 001 - 161 - 2025

Reading Information

Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
100.00	99.54	0.46	0.16	Pass
115.00	114.52	0.48	0.16	Pass
121.00	120.52	0.48	0.16	Pass
125.00	124.56	0.44	0.16	Pass
135.00	134.58	0.42	0.16	Pass

Environmental Conditions During Calibration

Temperature: 23 ± 5 °C
Relative Humidity: 45 ± 15 %
Pressure: 1.013 bar

Calibration Results

Max. Reading Error: 0.48 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.16 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

04 May 2025

Issue Date

05 May 2025

Calibration Date

04 May 2025

Calibration Due

03 Nov 2025

Calibrated By

Name: Bassem Hesham

Title: Calibration Specialist

Signature: Bassem H. Shamsy

Date: 04 May 2025

F-7.8/06

Prepared by

Noha Essam

Technical Office Specialist

Noha Essam

05 May 2025

Reviewed & Approved By

Ahmed Tarek

Technical Manager



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CALIBRATION CERTIFICATE

TAG LAB ☒On Site ☐

Certificate No.: 001 - 001 - 159 - 2025

Customer Information

Customer: TAG LAB
Address: 6th of October City
Email/Tel: Info@technoairgate.com

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.01 °C
Manufacture:	Tecnsoft s.r.l.	Accuracy:	NA
Model:	SterilDisk Probe 50	Serial Number:	1011004106
Code:	1011004106	Range:	((-40) - 140) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GMH	Range:	((-40) to 350) °C
Model:	GMH 3710	Serial Number:	32403245/117

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature sensor with indicator CM-T-001 based on EURMET Version 2.1 (10/2011), Version 3.0 (02/2019), Version 3.1 (02/2020).

Uncertainty: The reported expanded uncertainty is based on GUM Standard and the standard Uncertainty multiplied by coverage factor k_p value to give confidence level of 95%.

Traceability: The traceability of measurement results to the SI units calibrated by the National Standard maintained at NIS with Certificate No. (1459/32C002/161/1774/2024).

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CALIBRATION CERTIFICATE



Certificate No.: 001 - 001 - 159 - 2025

Reading Information				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
100.00	100.04	-0.04	0.16	Pass
115.00	115.13	-0.13	0.16	Pass
121.00	120.86	0.14	0.16	Pass
125.00	124.93	0.07	0.16	Pass
135.00	134.90	0.10	0.16	Pass

Environmental Conditions During Calibration	
Temperature:	23 ± 5 °C
Relative Humidity:	45 ± 15 %
Pressure:	1.013 bar

Calibration Results	
Max. Reading Error:	0.14 °C
Acceptance Criteria:	± 0.5 °C
Uncertainty:	± 0.16 °C

Acceptance Criteria is According to Customer Requirement.

Received Date	Issue Date	Calibration Date	Calibration Due
04 May 2025	05 May 2025	04 May 2025	03 Nov 2025

Calibrated By
Name: Bassem Hesham
Title: Calibration Specialist
Signature: *Bassem H. Hesham*
Date: 04 May 2025

Prepared by
Name: Noha Essam
Title: Technical Office Specialist
Signature: *Noha Essam*
Date: 05 May 2025

Reviewed & Approved By
Name: Ahmed Tarek
Title: Technical Manager
Signature: *Ahmed Tarek*
Date: 04 May 2025



F-7.8/06

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CALIBRATION CERTIFICATE



الهيئة الوطنية
المصرية
EGAC
Accredited
Calibration
CAB #041602



TAG LAB

On Site

Certificate No.: 001 - 001 - 158 - 2025

Customer Information

Customer: TAG LAB
Address: 6th of October City
Email/Tel: Info@technoairgate.com

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.01 °C
Manufacture:	Tecnsoft s.r.l.	Accuracy:	NA
Model:	SterilDisk Probe 50	Serial Number:	1011004102
Code:	1011004102	Range:	((-40) - 140) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GMH	Range	((-40) to 350) °C
Model:	GMH 3710	Serial Number:	32403245/117

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature sensor with indicator CM-T-001 based on EURMET Version 2.1 (10/2011), Version 3.0 (02/2019), Version 3.1 (02/2020).

Uncertainty: The reported expanded uncertainty is based on GUM Standard and the standard Uncertainty multiplied by coverage factor k_p value to give confidence level of 95%.

Traceability: The traceability of measurement results to the SI units calibrated by the National Standard maintained at NIS with Certificate No. (1459/32C002/161/1774/2024).

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CALIBRATION CERTIFICATE



TAG
CALIBRATION

Certificate No.: 001 - 001 - 158 - 2025

Reading Information

Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
100.00	99.85	0.15	0.16	Pass
115.00	114.98	0.02	0.16	Pass
121.00	120.74	0.26	0.16	Pass
125.00	124.81	0.19	0.16	Pass
135.00	134.80	0.20	0.16	Pass

Environmental Conditions During Calibration

Temperature: 23 ± 5 °C
Relative Humidity: 45 ± 15 %
Pressure: 1.013 bar

Calibration Results

Max. Reading Error: 0.26 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.16 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

04 May 2025

Issue Date

05 May 2025

Calibration Date

04 May 2025

Calibration Due

03 Nov 2025

Calibrated By

Name: Bassem Hesham

Title: Calibration Specialist

Signature: *Bassem H. Shalaby*

Date: 04 May 2025

F-7.8/06

Prepared By

Noha Essam

Technical Office Specialist

Noha Essam

05 May 2025

Reviewed & Approved By

Abdel Tarek

Technical Manager



05 May 2025

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CALIBRATION CERTIFICATE

TAG LAB ☒On Site ☐

Certificate No.: 001 - 001 - 165 - 2025

Customer Information

Customer: TAG LAB
Address: 6th of October City
Email/Tel: Info@technoairgate.com

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.01 °C
Manufacture:	Tecnsoft s.r.l.	Accuracy:	NA
Model:	SterilDisk Probe 50	Serial Number:	1011004404
Code:	1011004404	Range:	((-40) - 140) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GMH	Range:	((-40) to 350) °C
Model:	GMH 3710	Serial Number:	32403245/117

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\leq 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature sensor with indicator CM-T-001 based on EURMET Version 2.1 (10/2011), Version 3.0 (02/2019), Version 3.1 (02/2020).

Uncertainty: The reported expanded uncertainty is based on GUM Standard and the standard Uncertainty multiplied by coverage factor k_p value to give confidence level of 95%.

Traceability: The traceability of measurement results to the SI units calibrated by the National Standard maintained at NIS with Certificate No. (1459/32C002/161/1774/2024).

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CALIBRATION CERTIFICATE



Certificate No.: 001 - 001 - 165 - 2025

Reading Information				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
100.00	99.96	0.04	0.16	Pass
115.00	114.92	0.08	0.16	Pass
121.00	120.56	0.44	0.16	Pass
125.00	124.57	0.43	0.16	Pass
135.00	134.68	0.32	0.16	Pass

Environmental Conditions During Calibration	
Temperature:	23 ± 5 °C
Relative Humidity:	45 ± 15 %
Pressure:	1.013 bar

Calibration Results	
Max. Reading Error:	0.44 °C
Acceptance Criteria:	± 0.5 °C
Uncertainty:	± 0.16 °C
Acceptance Criteria is According to Customer Requirement.	

Received Date	Issue Date	Calibration Date	Calibration Due
04 May 2025	05 May 2025	04 May 2025	03 Nov 2025

Calibrated By
 Name: Bassem Hesham
 Title: Calibration Specialist
 Signature: *Bassem H. Shamsy*
 Date: 04 May 2025

Prepared by
 Noha Essam
 Technical Office Specialist
Noha Essam
 05 May 2025

Reviewed & Approved By
 Ahmed Tarek
 Technical Manager
Ahmed Tarek
 05 May 2025



F-7.8/06

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CALIBRATION CERTIFICATE



TAG LAB ☒ On Site ☐

Certificate No.: 001 - 001 - 164 - 2025

Customer Information

Customer: TAG LAB
Address: 6th of October City
Email/Tel: Info@technoairgate.com

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.01 °C
Manufacture:	Tecnsoft s.r.l.	Accuracy:	NA
Model:	SterilDisk Probe 20	Serial Number:	1011004338
Code:	1011004338	Range:	((-40) - 140) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GMH	Range:	((-40) to 350) °C
Model:	GMH 3710	Serial Number:	32403245/117

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\leq 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature sensor with indicator CM-T-001 based on EURMET Version 2.1 (10/2011), Version 3.0 (02/2019), Version 3.1 (02/2020).

Uncertainty: The reported expanded uncertainty is based on GUM Standard and the standard Uncertainty multiplied by coverage factor k_p value to give confidence level of 95%.

Traceability: The traceability of measurement results to the SI units calibrated by the National Standard maintained at NIS with Certificate No. (1459/32C002/161/1774/2024).

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CALIBRATION CERTIFICATE



Certificate No.: 001 - 001 - 164 - 2025

Reading Information

Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
100.00	99.63	0.37	0.16	Pass
115.00	114.52	0.48	0.16	Pass
121.00	120.76	0.24	0.16	Pass
125.00	124.70	0.30	0.16	Pass
135.00	134.84	0.16	0.16	Pass

Environmental Conditions During Calibration

Temperature: 23 ± 5 °C
Relative Humidity: 45 ± 15 %
Pressure: 1.013 bar

Calibration Results

Max. Reading Error: 0.48 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.16 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

04 May 2025

Issue Date

05 May 2025

Calibration Date

04 May 2025

Calibration Due

03 Nov 2025

Calibrated By

Name: Bassem Hesham

Title: Calibration Specialist

Signature: *Bassem H. Shamsy*

Date: 04 May 2025

F-7.8/06

Prepared by

Noha Essam

Technical Office Specialist

Noha Essam

05 May 2025

Reviewed & Approved By

Ahmed Tarek

Technical Manager



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CALIBRATION CERTIFICATE



TAG
CALIBRATION

TAG LAB ☒

On Site ☐

Certificate No.: 001 - 001 - 166 - 2025

Customer Information

Customer: TAG LAB
Address: 6th of October City
Email/Tel: Info@technoairgate.com

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.01 °C
Manufacture:	Tecnosoft s.r.l.	Accuracy:	NA
Model:	SterilDisk Probe 50	Serial Number:	1011004503
Code:	1011004503	Range:	((-40) - 140) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GMH	Range	((-40) to 350) °C
Model:	GMH 3710	Serial Number:	32403245/117

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\leq 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature sensor with indicator CM-T-001 based on EURMET Version 2.1 (10/2011), Version 3.0 (02/2019), Version 3.1 (02/2020).

Uncertainty: The reported expanded uncertainty is based on GUM Standard and the standard Uncertainty multiplied by coverage factor k_p value to give confidence level of 95%.

Traceability: The traceability of measurement results to the SI units calibrated by the National Standard maintained at NIS with Certificate No. (1459/32C002/161/1774/2024).

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CALIBRATION CERTIFICATE



Certificate No.: 001 - 001 - 166 - 2025

Reading Information				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
100.00	100.01	-0.01	0.16	Pass
115.00	115.09	-0.09	0.16	Pass
121.00	120.86	0.14	0.16	Pass
125.00	124.92	0.08	0.16	Pass
135.00	134.87	0.13	0.16	Pass

Environmental Conditions During Calibration

Temperature: 23 ± 5 °C
Relative Humidity: 45 ± 15 %
Pressure: 1.013 bar

Calibration Results

Max. Reading Error: 0.14 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.16 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

04 May 2025

Issue Date

05 May 2025

Calibration Date

04 May 2025

Calibration Due

03 Nov 2025

Calibrated By
Name: Bassem Hesham
Title: Calibration Specialist
Signature: *Bassem H. Shalaby*
Date: 04 May 2025

Prepared by
Name: Noha Essam
Title: Technical Office Specialist
Signature: *Noha Essam*
Date: 05 May 2025

Reviewed & Approved By
Name: Ahmed Tarek
Title: Technical Manager
Signature: *Ahmed Tarek*
Date: 05 May 2025



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CALIBRATION CERTIFICATE



TAG LAB

On Site

Certificate No.: 001 - 002 - 002 - 2025

Customer Information

Customer: TAG LAB
Address: 6th of October City
Email/Tel: info@technoairgate.com

Instrument Under Calibration Information

Instrument Name:	Pressure Data Logger	Resolution:	0.001 bar
Manufacture:	Tecnsoft s.r.l.	Accuracy:	NA
Model:	PressureDisk 05	Serial Number:	3501009327
Code:	3501009327	Range:	0 to 4 bar
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Digital Pressure Gauge	Resolution:	0.001 bar
Manufacture:	Addital	Accuracy:	$\pm 0.02\%$ F.S
Model:	ADT-681	Serial Number:	211H15510043

Remarks

Calibration Method: Comparison method using Digital Pressure Gauge Addital of accuracy 0.02% F.S based on ,DKD R 6-1

Uncertainty: The reported expanded uncertainty is based on GUM Standard and the standard Uncertainty multiplied by coverage factor $k=2$ to give confidence level of 95%.

Traceability: The traceability of measurement results to the SI units calibrated by the National Standard maintained at NIS with Certificate No. (711/13C003/439/1497/2024).

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Decision Rule: statement of conformity is based on that the deviation is within acceptance criteria.

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CALIBRATION CERTIFICATE



Certificate No.: 001 - 002 - 002 - 2025

Reading Information

Set point	Ascending (bar)		Descending (bar)		Uncertainty $\pm$	Deviation (%)	Pass/Fail
bar	Reference	Deviation	Reference	Deviation	bar		
0.000	0.000	0.000	0.000	0.000	0.02	0.00	Pass
0.050	0.050	0.000	0.050	0.000	0.02	0.00	Pass
1.000	1.024	0.024	1.024	0.024	0.02	0.60	Pass
2.000	2.015	0.015	2.015	0.015	0.02	0.37	Pass
3.000	3.005	0.005	3.005	0.005	0.02	0.12	Pass
4.000	4.005	0.005	4.005	0.005	0.02	0.12	Pass

Environmental Conditions During Calibration

Temperature: $23 \pm 5^{\circ}\text{C}$
 Relative Humidity: $45 \pm 15\%$
 Pressure: 1.013 bar

Calibration Results

Max. Reading Error: 0.60 %
 Acceptance Criteria: $\pm 5\%$ of F.S. Acceptance Criteria is According to Customer Requirement.
 Uncertainty: ± 0.02 bar

Received Date

04 May 2025

Issue Date

05 May 2025

Calibration Date

04 May 2025

Calibration Due

03 Nov 2025

Calibrated By

Name: Mohamed Gamal
 Title: Calibration Specialist
 Signature:
 Date: 04 May 2025

Prepared by

Shimaa Badr
 Technical Office Specialist
 Signature:
 Date: 05 May 2025

Reviewed & Approved By

Ahmed Tarek
 Technical Manager
 Signature:
 Date: 05 May 2025



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VOL-01) PERFORMANCE QUALIFICATION PROTOCOL

ANNEX 01.02.01
ATTACHMENTS

ATTACHMENTS 01.02.01.05

Inspection Certificate





Certificate No.: PQ-012-2025

Certificate
of
Performance Qualification Execution
for AUTOCLAVE
(M-AUX-AU014)
at MIDDLE EAST FOR VACCINES (MEVAC)

Executed By
Techno Air Gate Company (TAG)
Egypt

The inspection test was performed in compliance with the requirements of ISO/IEC 17020/2012, and this certificate confirms that Autoclave fulfills the required acceptance criteria.

Inspection Date:
26/06/2025

Certificate Issue Date:
30/06/2025

This certificate relates to report no.:
PQR-V-00725

Prepared By

Salma Salah



Head of Department

[Signature]

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F-7.4/02
Issue No.: 01.0
Ver. No.: 01

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Issue Date: 01 Oct., 2024

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