



VOL-01

PERFORMANCE QUALIFICATION PROTOCOL

Annex-01.02

Turn Over Package

FOR
COLD ROOM

OF
DR REDA PHARMACY STORE
KAFR AL-SHIEKHA

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) Annex 01.02)
Turn Over Package
Cold Room



Jul., 2025

Rev. No.: 00

Doc. No.: TOP-Q-0125

F-7.4/35
Issue Date: 02/02/2025

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ANNEX 01.02.01
ATTACHMENTS

Content:

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01.02.01.03	Inspection Label
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Turn Over Package
Cold Room



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ANNEX 01.02.01
ATTACHMENTS

ATTACHMENTS 01.02.01.01

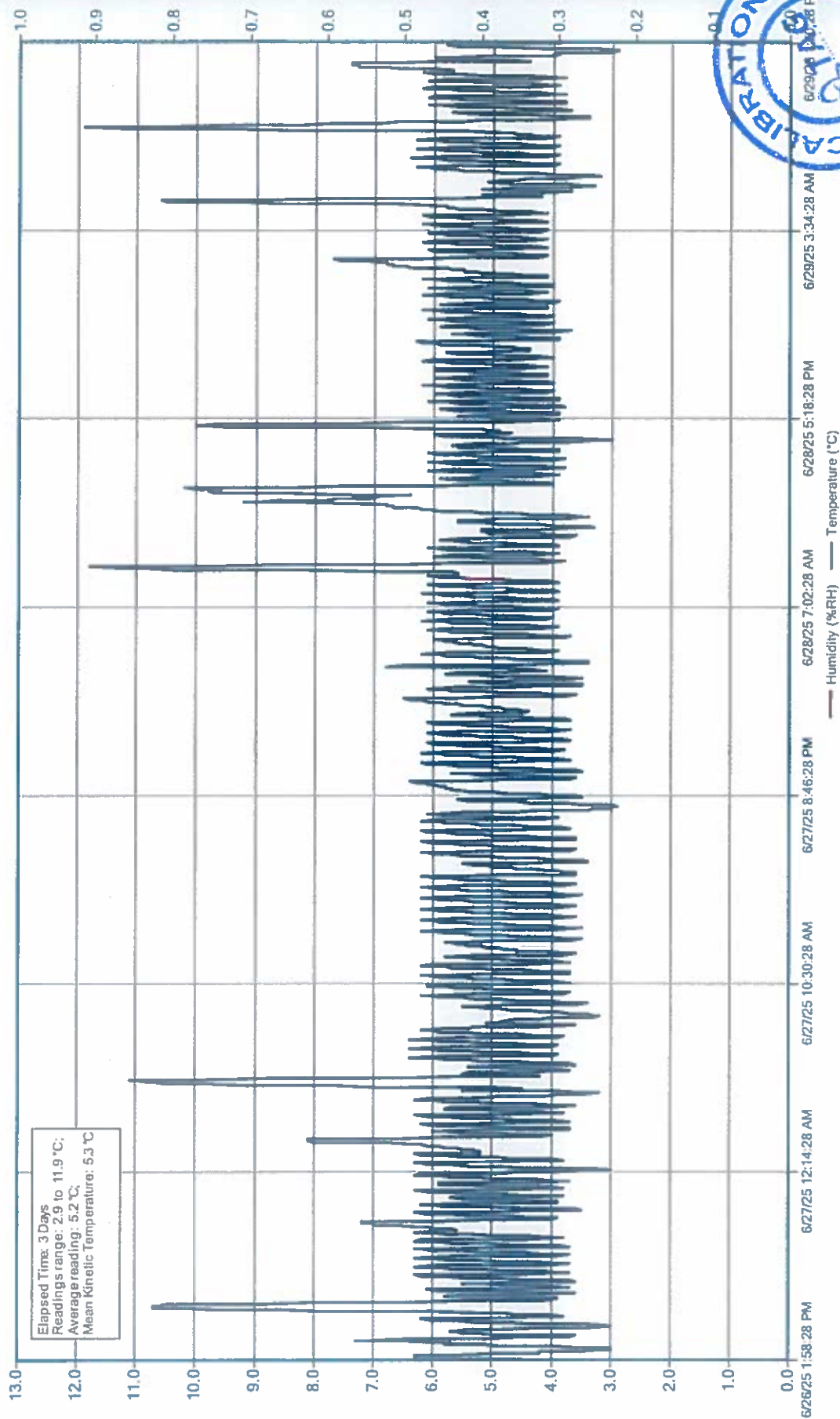
Main Cycle Printouts



Temp °C

HAXO-8: 1010161123 Started 6/25/25, Finished 7/2/25

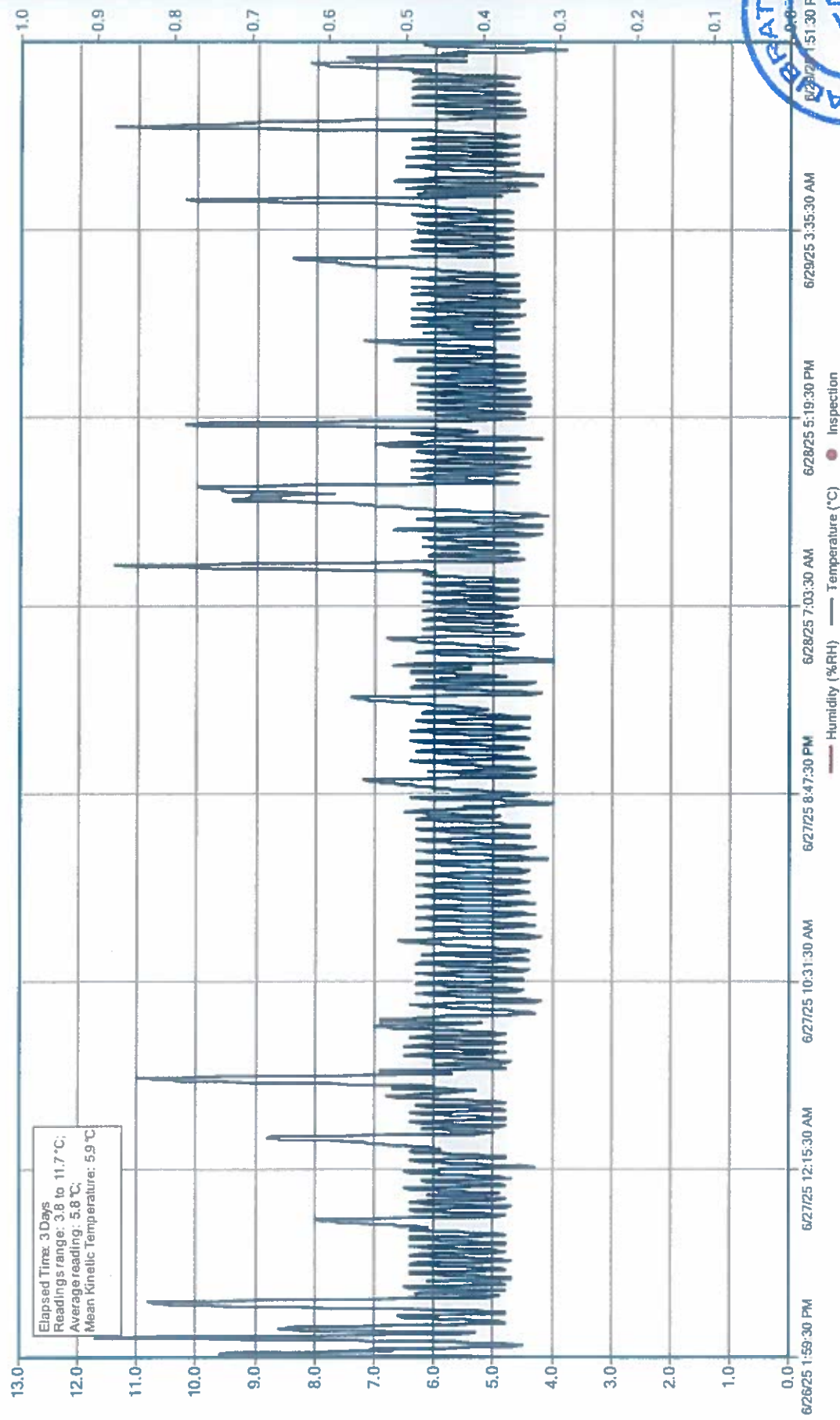
Hum %RH



Temp °C

HAXO-8: 1010161113 Started 6/25/25, Finished 7/2/25

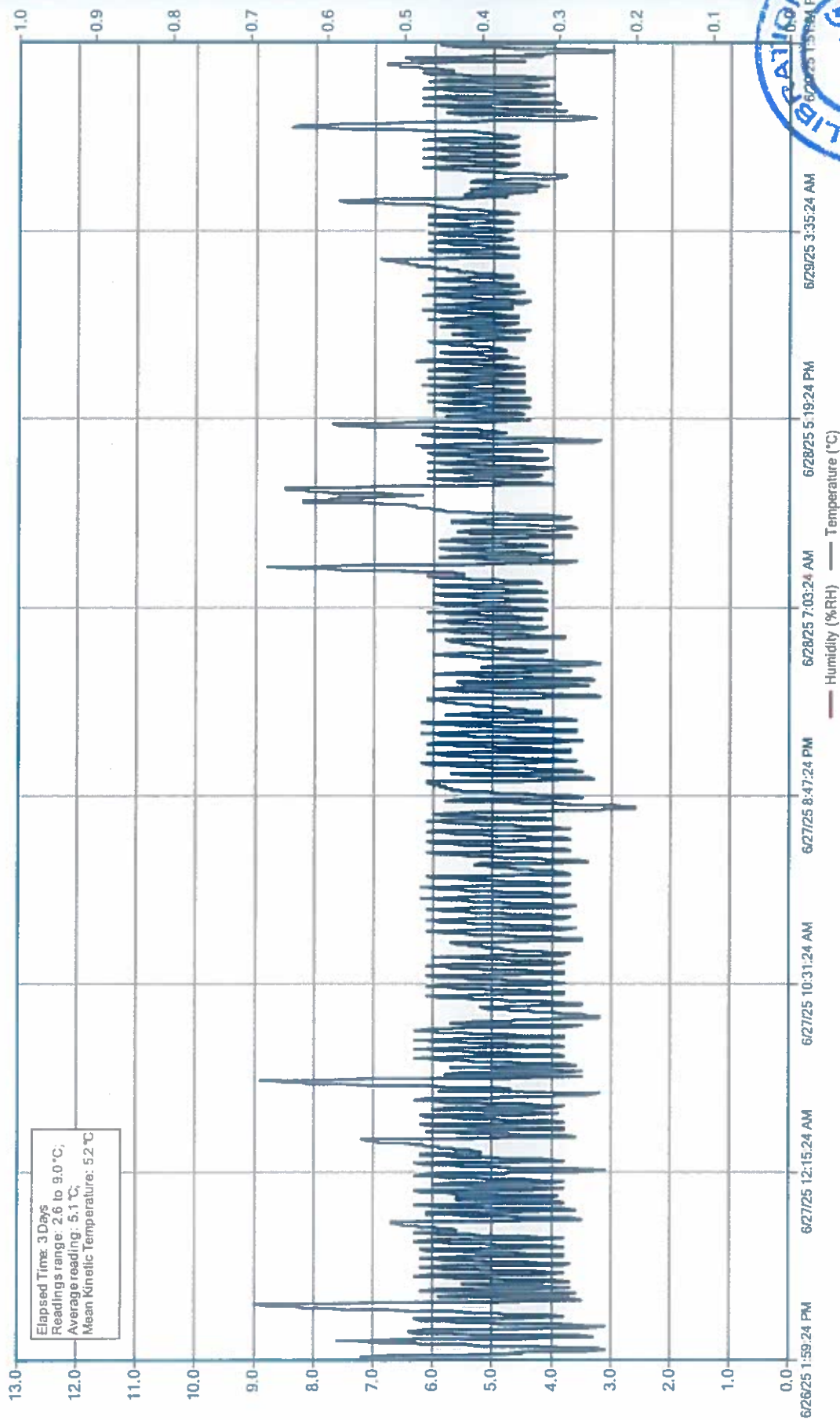
Hum %RH



Temp °C

HAXO-8: 1010157757 Started 6/25/25, Finished 7/2/25

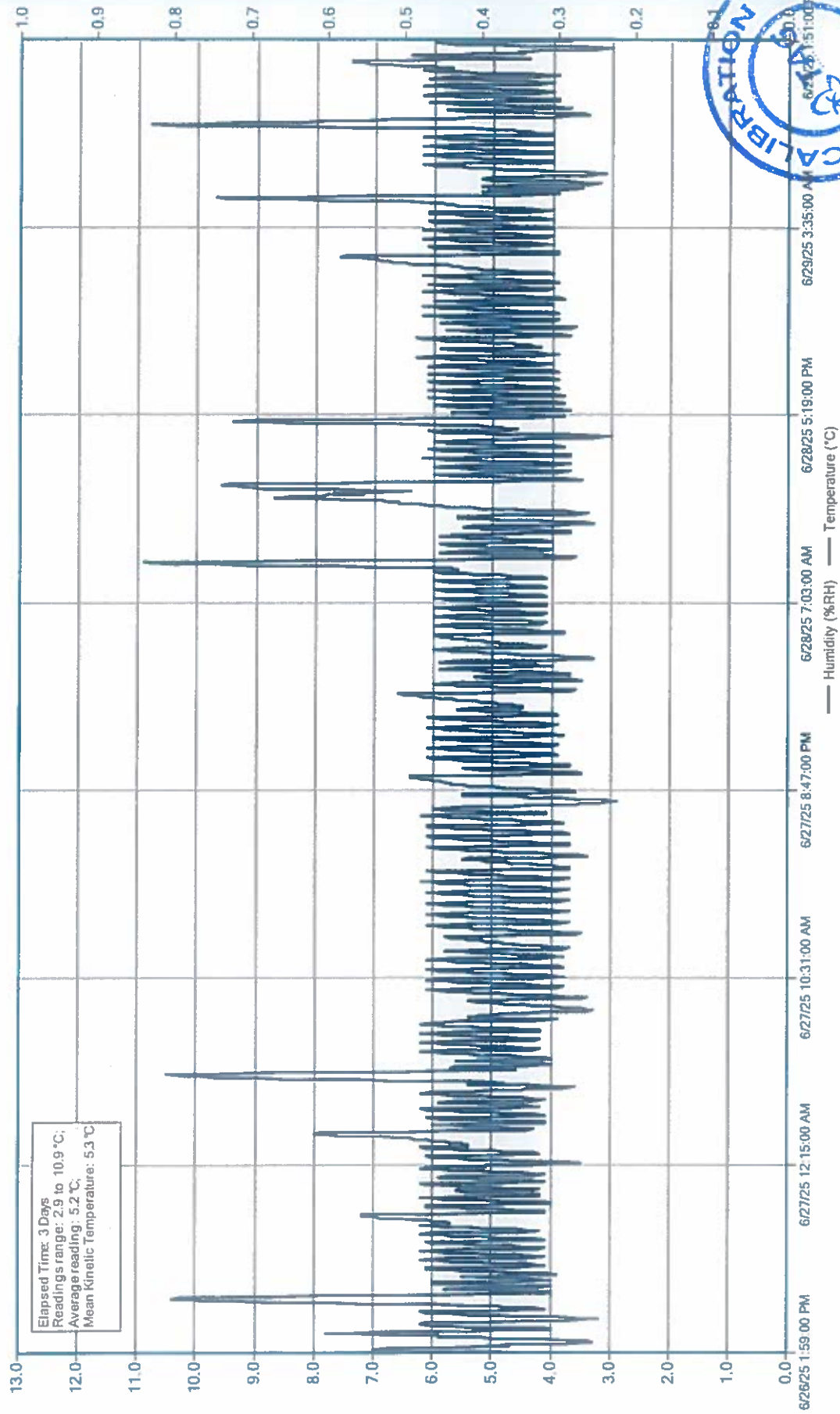
Hum %RH



Temp °C

HAXO-8: 1010157753 Started 6/25/25, Finished 7/2/25

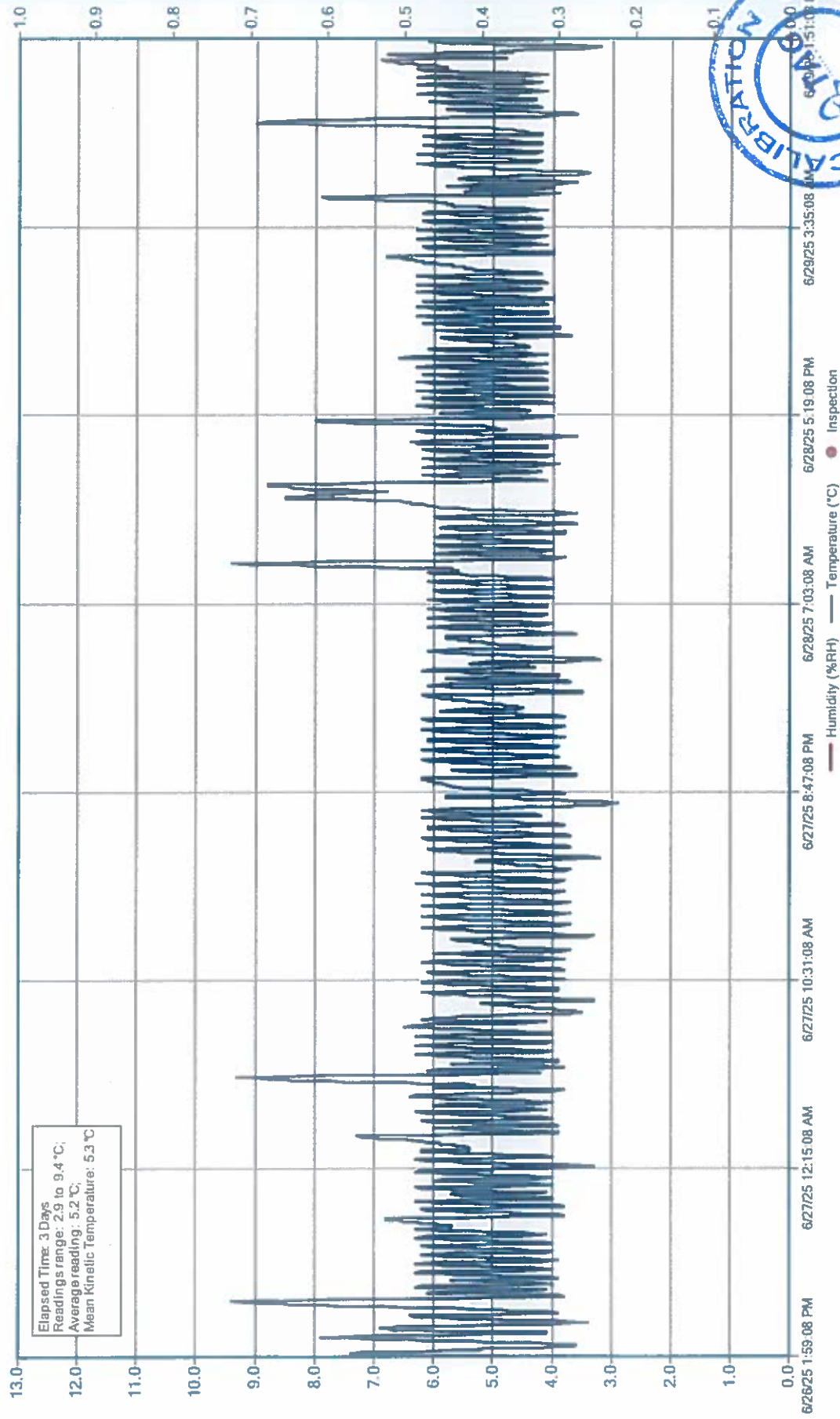
Hum %RH



Temp °C

HAXO-8: 1010149993 Started 6/25/25, Finished 7/2/25

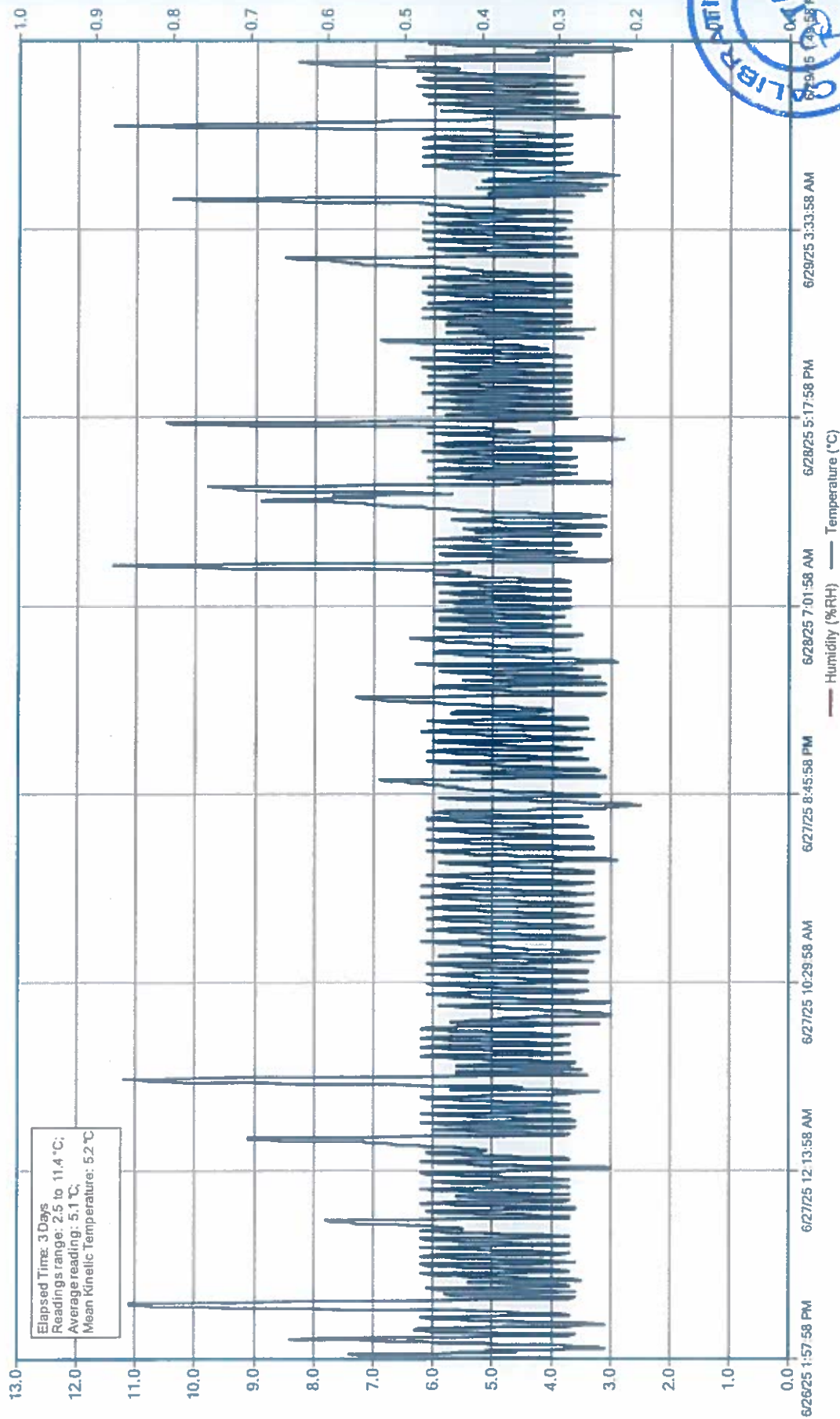
Hum %RH



Temp °C

HAXO-8: 1010149815 Started 6/25/25, Finished 7/2/25

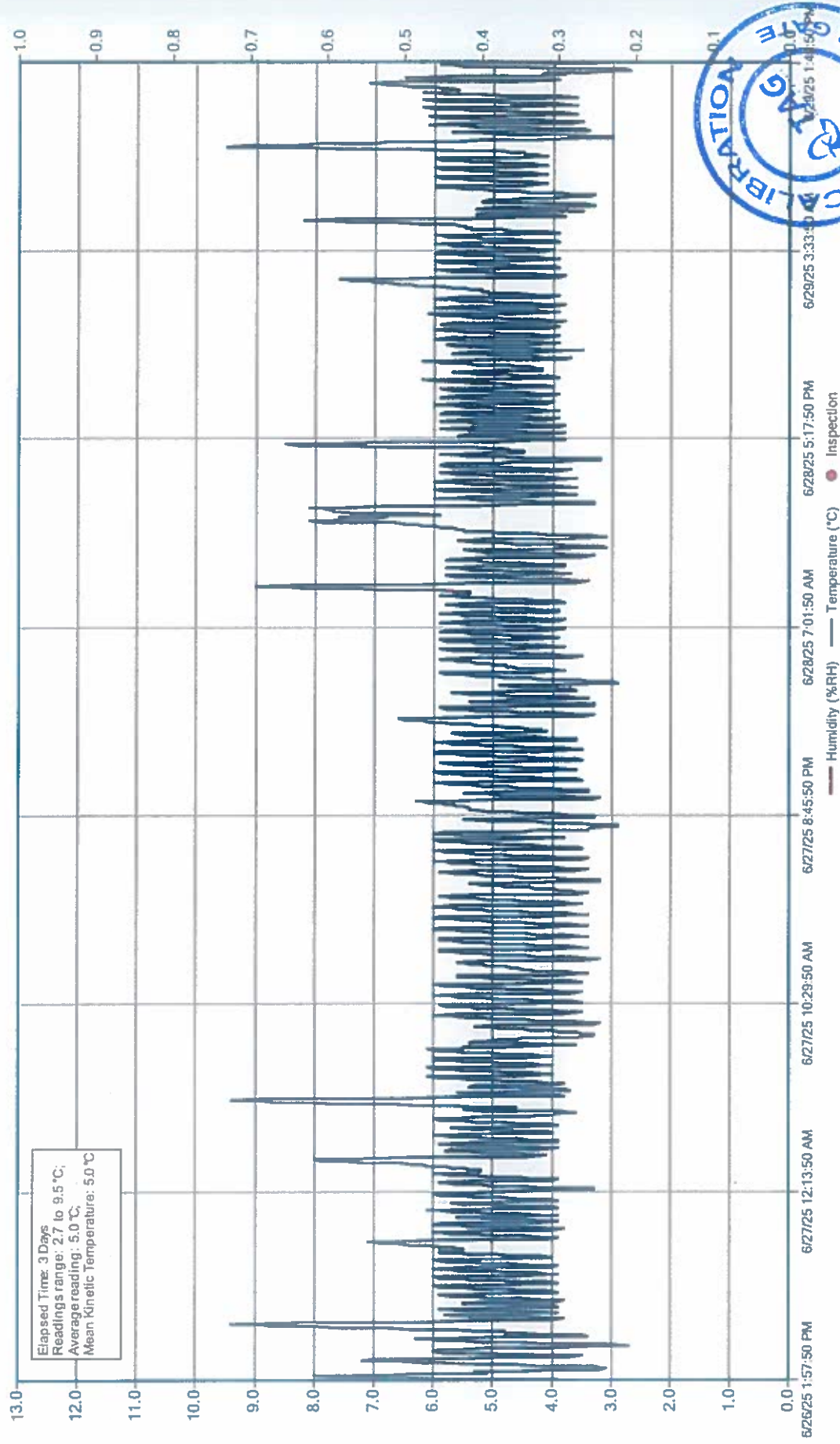
Hum %RH



Temp °C

HAXO-8: 1010148440 Started 6/25/25, Finished 7/2/25

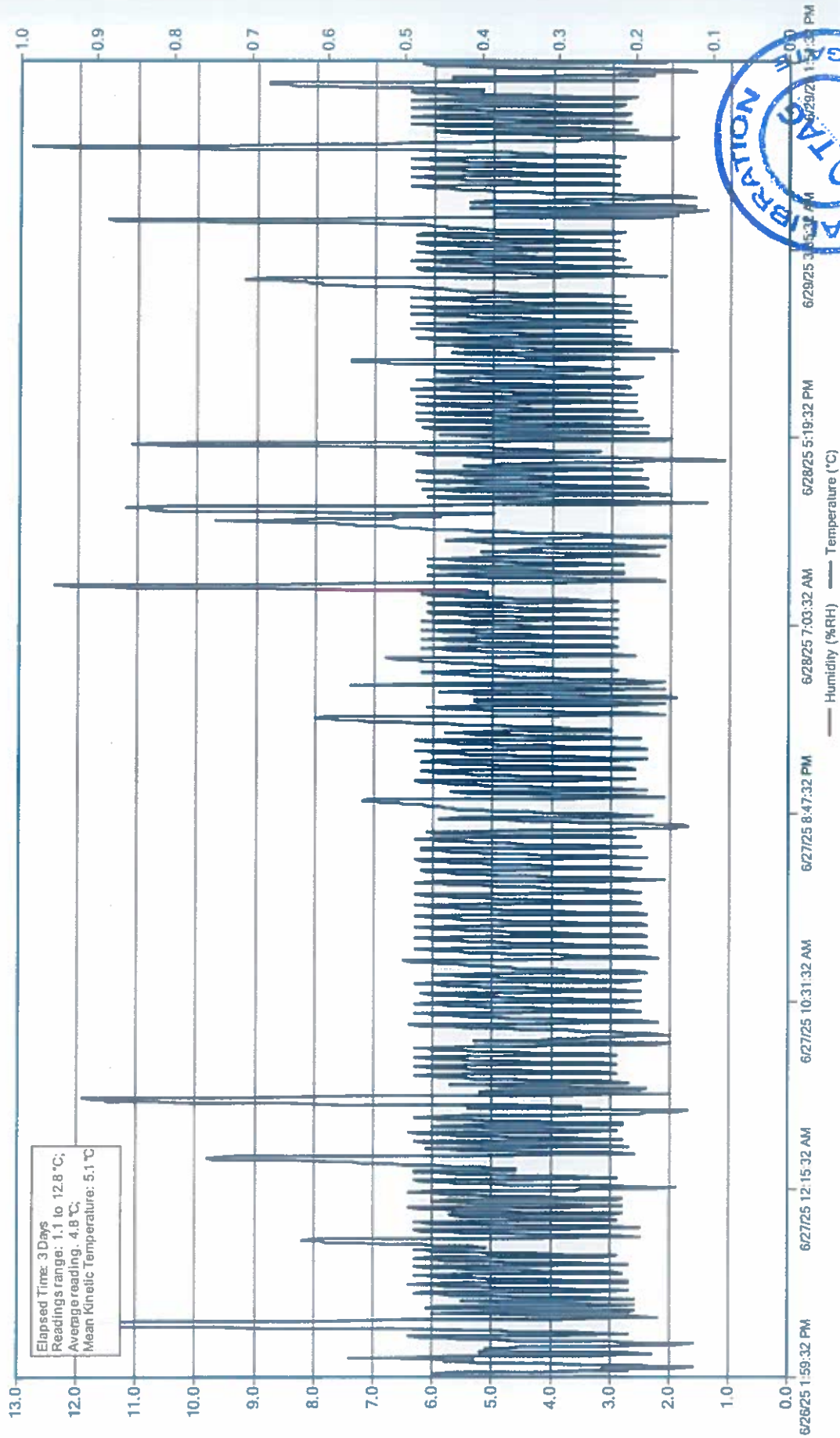
Hum %RH



Temp °C

HAXO-8: 1010148434 Started 6/25/25, Finished 7/2/25

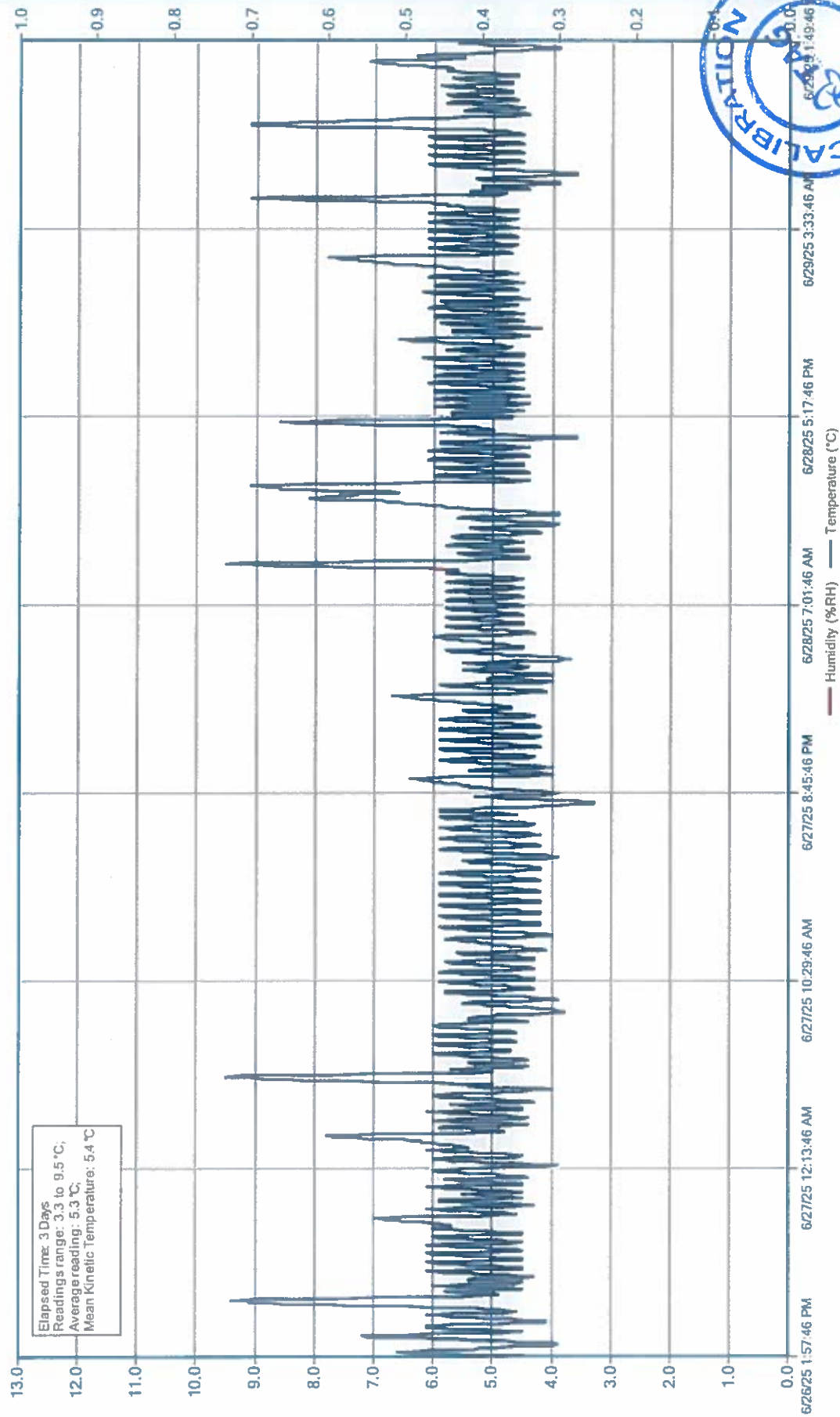
Hum %RH



Temp °C

HAXO-8: 1010148421 Started 6/25/25, Finished 7/2/25

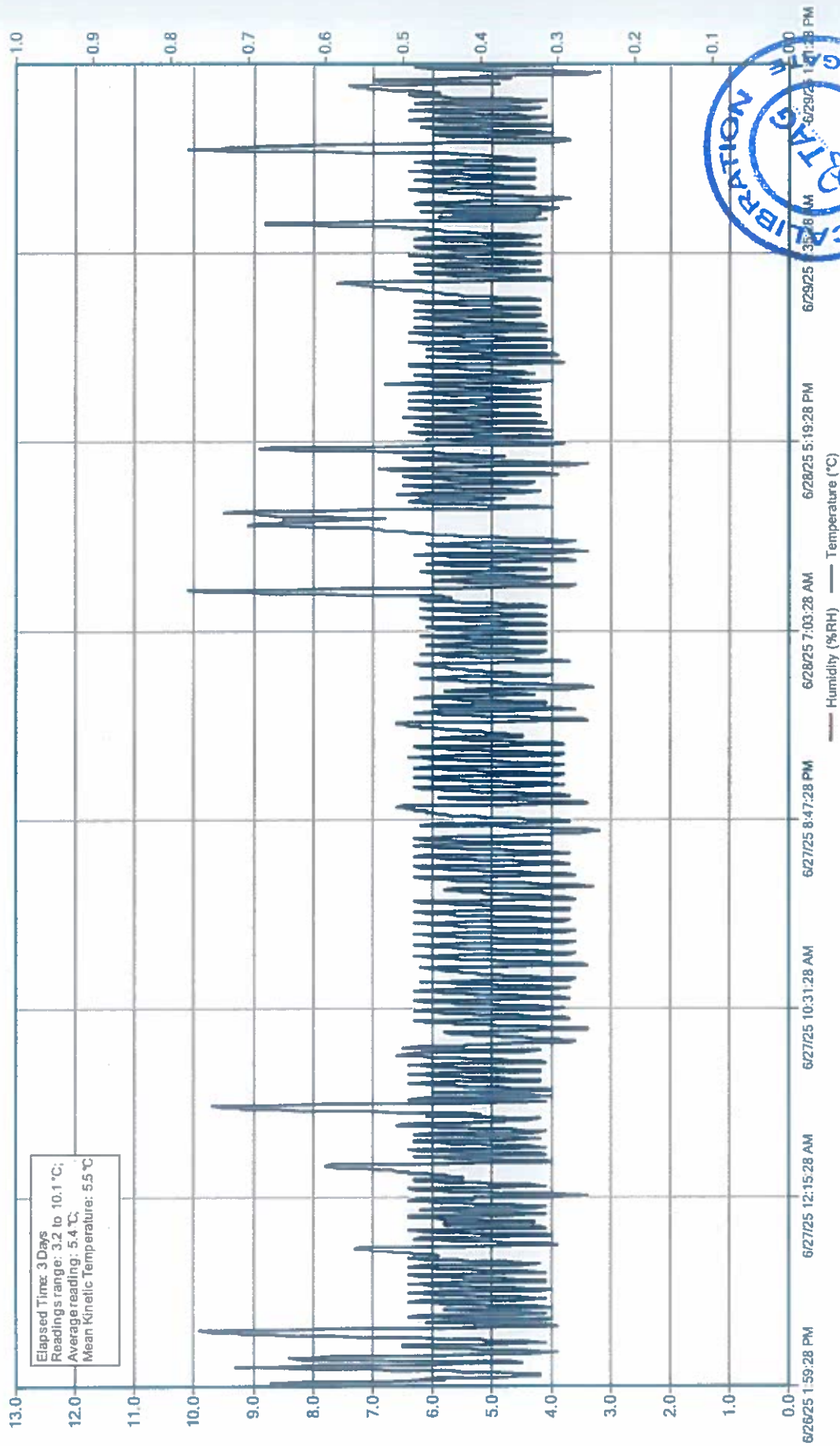
Hum %RH



Temp °C

HAXO-8: 1010148407 Started 6/25/25, Finished 7/2/25

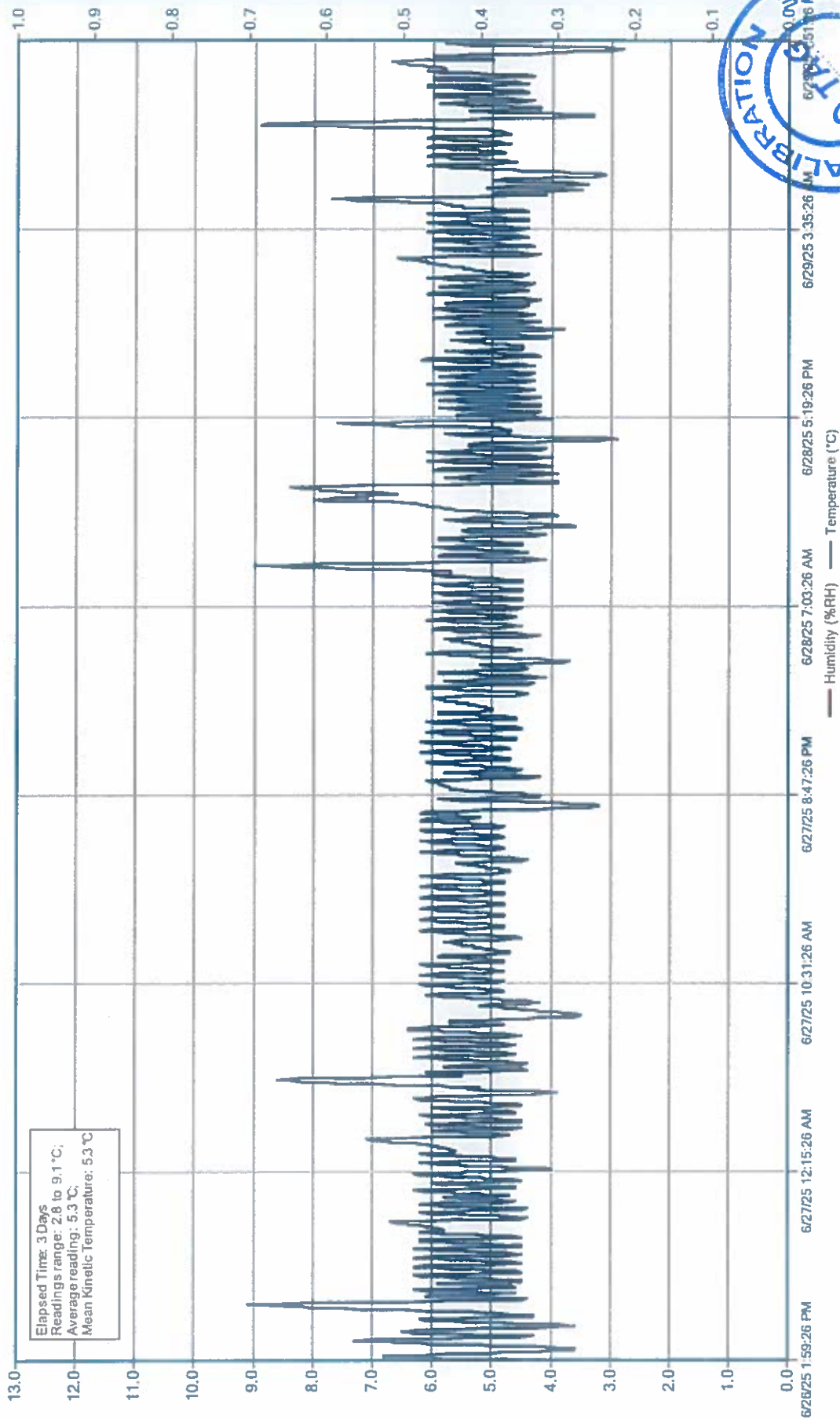
Hum %RH



Temp °C

HAXO-8: 1010148405 Started 6/25/25, Finished 7/2/25

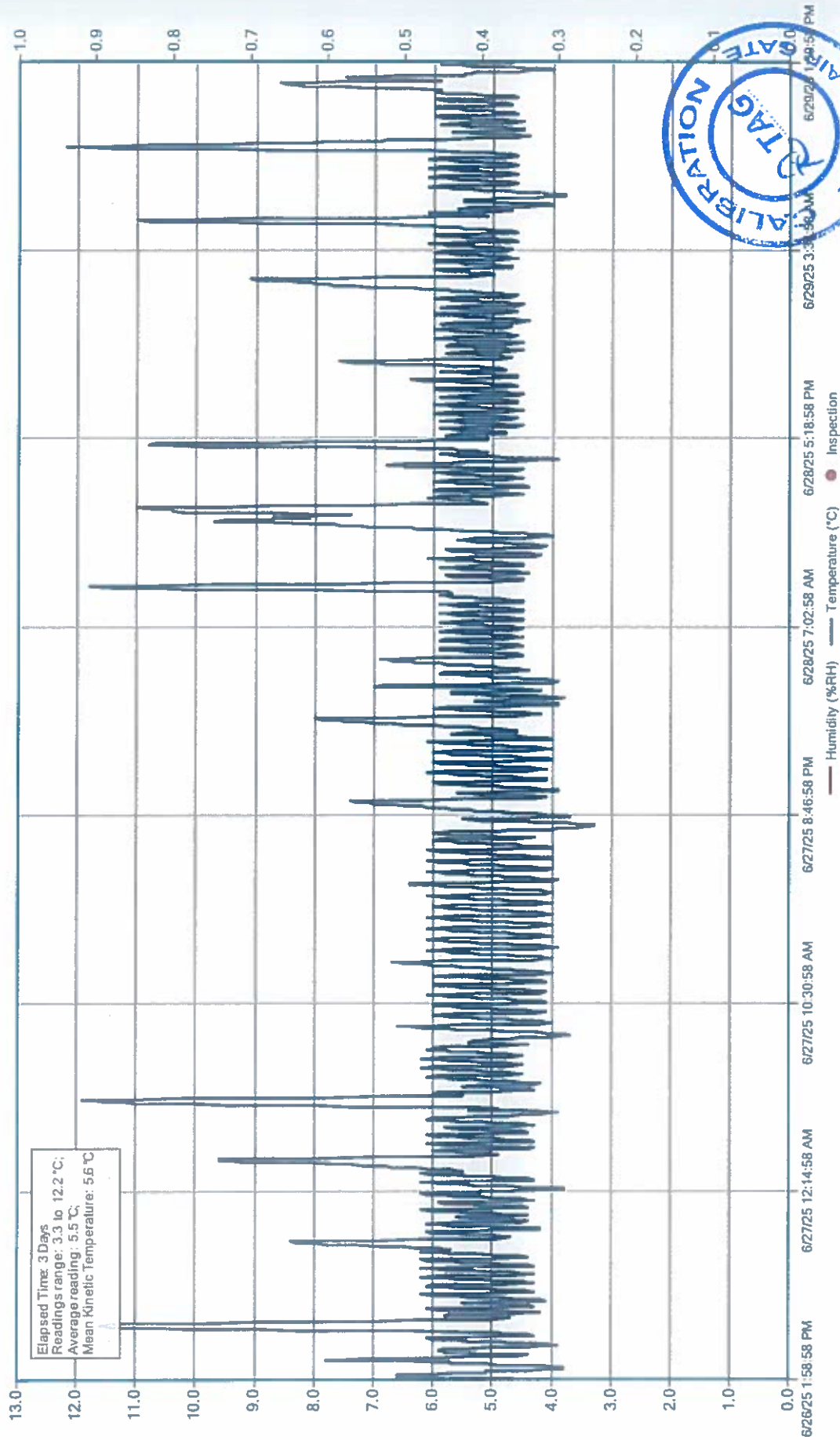
Hum %RH



Temp °C

HAXO-8: 1010148403 Started 6/25/25, Finished 7/2/25

Hum %RH





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ANNEX 01.02.01
ATTACHMENTS

ATTACHMENTS 01.02.01.02

Raw Data (on CD)



REFRIGERATOR PERFORMANCE QUALIFICATION



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Turn Over Package
Cold Room



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ANNEX 01.02.01

ATTACHMENTS

ATTACHMENTS 01.02.01.03

Inspection Label



REFRIGERATOR PERFORMANCE QUALIFICATION



Vol 01) Annex 01.02)
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Cold Room



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Rev. No.: 00

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ANNEX 01.02.01
ATTACHMENTS

ATTACHMENTS 01.02.01.04

Reference Equipment Calibration Certificates



REFRIGERATOR PERFORMANCE QUALIFICATION

CALIBRATION CERTIFICATE



TAG LAB ☒

On Site ☐

Certificate No.: 001 - 001 - 150 - 2024

Customer Information

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

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.1 °C
Manufacture:	LOG TAG	Accuracy:	NA
Model:	HAXO-o8	Serial Number:	1010148405
Code:	1010148405	Range:	((-40) - 85) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GREISINGER	Serial Number:	32403245/117
Model:	GMH 3710		

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature Dataloggers CM-T&RH-002 based on DKD-R 5-8 (Edition 10/2019).

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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Disclaimer:

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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 - 001 - 150 - 2024

Reading Information °C				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
-25.00	-25.5	0.5	0.19	Pass
2.00	1.9	0.1	0.19	Pass
8.00	7.9	0.1	0.19	Pass
15.00	15.1	-0.1	0.19	Pass
40.00	39.9	0.1	0.19	Pass
70.00	69.6	0.4	0.19	Pass

Environmental Conditions During Calibration

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

Calibration Results °C

Max. Reading Error: 0.5 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.19 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

11 Dec 2024

Issue Date

12 Dec 2024

Calibration Date

11 Dec 2024

Calibration Due

10 Dec 2025

Calibrated By
Name: Bassem Hesham
Title: Calibration Specialist
Signature: *Bassem H. Shalaby*
Date: 11 Dec 2024

Prepared by
Noha Essam
Senior Technical Office Specialist
Noha Essam
12 Dec 2024

Reviewed & Approved By
Ahmed Tarek
Technical Manager



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CALIBRATION CERTIFICATE



TAG LAB ☒

On Site ☐

Certificate No.: 001 - 001 - 059 - 2024

Customer Information

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

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.1 °C
Manufacture:	LOG TAG	Accuracy:	NA
Model:	HAXO-o8	Serial Number:	1010161123
Code:	1010161123	Range:	((-40) - 85) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GREISINGER	Serial Number:	32403245/117
Model:	GMH 3710		

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\leq 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature Dataloggers CM-T&RH-002 based on DKD-R 5-8 (Edition 10/2019).

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 - 059 - 2024

Reading Information °C				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
-25.00	-24.9	-0.1	0.19	Pass
2.00	2.1	-0.1	0.19	Pass
8.00	8.0	0.0	0.19	Pass
15.00	15.1	-0.1	0.19	Pass
40.00	39.9	0.1	0.19	Pass
70.00	70.3	-0.3	0.19	Pass

Environmental Conditions During Calibration

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

Calibration Results °C

Max. Reading Error: 0.3 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.19 °C
Acceptance Criteria is According to Customer Requirement.

Received Date

11 Dec 2024

Issue Date

12 Dec 2024

Calibration Date

11 Dec 2024

Calibration Due

10 Dec 2025

Calibrated By

Name: Bassem Hesham

Title: Calibration Specialist

Signature: Bassam H. Hesham

Date: 11 Dec 2024

Prepared by

Noha Essam

Senior Technical Office Specialist

Signature: Noha Essam

Date: 12 Dec 2024

Reviewed & Approved By

Ahmed Tarek

Technical Manager



F-78/09

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CALIBRATION CERTIFICATE



TAG LAB ☒

On Site ☐

Certificate No.: 001 - 001 - 135 - 2024

Customer Information

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

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.1 °C
Manufacture:	LOG TAG	Accuracy:	NA
Model:	HAXO-o8	Serial Number:	1010148434
Code:	1010148434	Range:	((-40) - 85) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GREISINGER	Serial Number:	32403245/117
Model:	GMH 3710		

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature Dataloggers CM-T&RH-002 based on DKD-R 5-8 (Edition 10/2019).

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

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CALIBRATION CERTIFICATE



Certificate No.: 001 - 001 - 135 - 2024

Reading Information °C				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
-25.00	-24.9	-0.1	0.19	Pass
2.00	2.5	-0.5	0.19	Pass
8.00	8.5	-0.5	0.19	Pass
15.00	15.4	-0.4	0.19	Pass
40.00	40.5	-0.5	0.19	Pass
70.00	70.1	-0.1	0.19	Pass

Environmental Conditions During Calibration

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

Calibration Results °C

Max. Reading Error: 0.5 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.19 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

11 Dec 2024

Issue Date

12 Dec 2024

Calibration Date

11 Dec 2024

Calibration Due

10 Dec 2025

Calibrated By

Name: Bassem Hesham
Title: Calibration Specialist
Signature: *Bassem H. Shalaby*
Date: 11 Dec 2024

Prepared by

Noha Essam
Senior Technical Office Specialist
Noha Essam
12 Dec 2024

Reviewed & Approved By

Ahmed Tarek
Technical Manager
Ahmed Tarek
12 Dec 2024



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CALIBRATION CERTIFICATE



TAG LAB ☒

On Site ☐

Certificate No.: 001 - 001 - 124 - 2024

Customer Information

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

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.1 °C
Manufacture:	LOG TAG	Accuracy:	NA
Model:	HAXO-08	Serial Number:	1010148403
Code:	1010148403	Range:	((-40) - 85) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GREISINGER	Serial Number:	32403245/117
Model:	GMH 3710		

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\leq 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature Dataloggers CM-T&RH-002 based on DKD-R 5-8 (Edition 10/2019).

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 - 124 - 2024

Reading Information °C				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
-25.00	-25.0	0.0	0.19	Pass
2.00	2.1	-0.1	0.19	Pass
8.00	8.1	-0.1	0.19	Pass
15.00	15.2	-0.2	0.19	Pass
40.00	40.1	-0.1	0.19	Pass
70.00	70.2	-0.2	0.19	Pass

Environmental Conditions During Calibration

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

Calibration Results °C

Max. Reading Error: 0.2 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.19 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

11 Dec 2024

Issue Date

12 Dec 2024

Calibration Date

11 Dec 2024

Calibration Due

10 Dec 2025

Calibrated By

Name: Bassem Hesham
Title: Calibration Specialist
Signature: *Bassem H. Shalaby*
Date: 11 Dec 2024

Prepared by

Noha Essam
Senior Technical Office Specialist
Noha Essam
12 Dec 2024

Reviewed & Approved By

Ahmed Tarek
Technical Manager
Ahmed Tarek
12 Dec 2024



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CALIBRATION CERTIFICATE



TAG LAB

On Site

Certificate No.: 001 - 001 - 155 - 2024

Customer Information

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

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.1 °C
Manufacture:	LOG TAG	Accuracy:	NA
Model:	HAXO-08	Serial Number:	1010157753
Code:	1010157753	Range:	((-40) - 85) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GREISINGER	Serial Number:	32403245/117
Model:	GMH 3710		

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature Dataloggers CM-T&RH-002 based on DKD-R 5-8 (Edition 10/2019).

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

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CALIBRATION CERTIFICATE



Certificate No.: 001 - 001 - 155 - 2024

Reading Information °C				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
-25.00	-24.9	-0.1	0.19	Pass
2.00	2.2	-0.2	0.19	Pass
8.00	8.2	-0.2	0.19	Pass
15.00	15.4	-0.4	0.19	Pass
40.00	40.4	-0.4	0.19	Pass
70.00	69.7	0.3	0.19	Pass

Environmental Conditions During Calibration

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

Calibration Results °C

Max. Reading Error: 0.4 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.19 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

11 Dec 2024

Issue Date

12 Dec 2024

Calibration Date

11 Dec 2024

Calibration Due

10 Dec 2025

Calibrated By

Name: Bassem Hesham
Title: Calibration Specialist
Signature: *Bassem H. Hesham*
Date: 11 Dec 2024

Prepared by

Noha Essam
Senior Technical Office Specialist
Noha Essam
12 Dec 2024

Reviewed & Approved By

Ahmed Tarek
Technical Manager
Ahmed Tarek
12 Dec 2024



F-7.8/09

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CALIBRATION CERTIFICATE



البحرین الوطنی للمقاييس
EGAC
Accredited
Calibration
CAB #041602



TAG LAB

On Site

Certificate No.: 001 - 001 - 139 - 2024

Customer Information

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

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.1 °C
Manufacture:	LOG TAG	Accuracy:	NA
Model:	HAXO-08	Serial Number:	1010149993
Code:	1010149993	Range:	((-40) - 85) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GREISINGER	Serial Number:	32403245/117
Model:	GMH 3710		

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature Dataloggers CM-T&RH-002 based on DKD-R 5-8 (Edition 10/2019).

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 - 139 - 2024

Reading Information °C				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
-25.00	-24.5	-0.5	0.19	Pass
2.00	2.2	-0.2	0.19	Pass
8.00	8.2	-0.2	0.19	Pass
15.00	15.3	-0.3	0.19	Pass
40.00	40.1	-0.1	0.19	Pass
70.00	70.2	-0.2	0.19	Pass

Environmental Conditions During Calibration

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

Calibration Results °C

Max. Reading Error: 0.5 °C
Acceptance Criteria: ± 0.5 °C Acceptance Criteria is According to Customer Requirement.
Uncertainty: ± 0.19 °C

Received Date

11 Dec 2024

Issue Date

12 Dec 2024

Calibration Date

11 Dec 2024

Calibration Due

10 Dec 2025

Calibrated By

Name: Bassem Hesham
Title: Calibration Specialist
Signature:
Date: 11 Dec 2024

Prepared by

Noha Essam
Senior Technical Office Specialist

12 Dec 2024

Reviewed & Approved By

Ahmed Tarek
Technical Manager



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CALIBRATION CERTIFICATE



TAG LAB

On Site

Certificate No.: 001 - 001 - 071 - 2024

Customer Information

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

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.1 °C
Manufacture:	LOG TAG	Accuracy:	NA
Model:	HAXO-08	Serial Number:	1010149815
Code:	1010149815	Range:	((-40) - 85) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GREISINGER	Serial Number:	32403245/117
Model:	GMH 3710		

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature Dataloggers CM-T&RH-002 based on DKD-R 5-8 (Edition 10/2019).

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 - 071 - 2024

Reading Information °C				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
-25.00	-24.7	-0.3	0.19	Pass
2.00	2.2	-0.2	0.19	Pass
8.00	8.2	-0.2	0.19	Pass
15.00	15.3	-0.3	0.19	Pass
40.00	40.1	-0.1	0.19	Pass
70.00	70.1	-0.1	0.19	Pass

Environmental Conditions During Calibration

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

Calibration Results °C

Max. Reading Error: 0.3 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.19 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

11 Dec 2024

Issue Date

12 Dec 2024

Calibration Date

11 Dec 2024

Calibration Due

10 Dec 2025

Calibrated By

Name: Bassem Hesham
Title: Calibration Specialist
Signature: *Bassem H. Shalaby*
Date: 11 Dec 2024

Prepared by

Noha Essam
Senior Technical Office Specialist
Noha Essam
12 Dec 2024

Reviewed & Approved By

Ahmed Tarek
Technical Manager
Ahmed Tarek
12 Dec 2024



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CALIBRATION CERTIFICATE



TAG LAB ☒

On Site ☐

Certificate No.: 001 - 001 - 084 - 2024

Customer Information

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

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.1 °C
Manufacture:	LOG TAG	Accuracy:	NA
Model:	HAXO-08	Serial Number:	1010148421
Code:	1010148421	Range:	((-40) - 85) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GREISINGER	Serial Number:	32403245/117
Model:	GMH 3710		

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature Dataloggers CM-T&RH-002 based on DKD-R 5-8 (Edition 10/2019).

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 - 084 - 2024

Reading Information °C				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
-25.00	-24.6	-0.4	0.19	Pass
2.00	2.4	-0.4	0.19	Pass
8.00	8.4	-0.4	0.19	Pass
15.00	15.3	-0.3	0.19	Pass
40.00	40.4	-0.4	0.19	Pass
70.00	70.4	-0.4	0.19	Pass

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

Calibration Results °C	
Max. Reading Error:	0.4 °C
Acceptance Criteria:	± 0.5 °C
Uncertainty:	± 0.19 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

11 Dec 2024

Issue Date

12 Dec 2024

Calibration Date

11 Dec 2024

Calibration Due

10 Dec 2025

Calibrated By

Name: Bassem Hesham
Title: Calibration Specialist
Signature: *Bassem H. Hesham*
Date: 11 Dec 2024

Prepared by

Noha Essam
Senior Technical Office Specialist
Noha Essam
12 Dec 2024

Reviewed & Approved By

Ahmed Tarek
Technical Manager
Ahmed Tarek
12 Dec 2024



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CALIBRATION CERTIFICATE



TAG LAB ☒

On Site ☐

Certificate No.: 001 - 001 - 158 - 2024

Customer Information

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

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.1 °C
Manufacture:	LOG TAG	Accuracy:	NA
Model:	HAXO-08	Serial Number:	1010157757
Code:	1010157757	Range:	((-40) - 85) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GREISINGER	Serial Number:	32403245/117
Model:	GMH 3710		

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature Dataloggers CM-T&RH-002 based on DKD-R 5-8 (Edition 10/2019).

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 - 158 - 2024

Reading Information °C				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
-25.00	-24.7	-0.3	0.19	Pass
2.00	2.2	-0.2	0.19	Pass
8.00	8.2	-0.2	0.19	Pass
15.00	15.3	-0.3	0.19	Pass
40.00	40.1	-0.1	0.19	Pass
70.00	70.1	-0.1	0.19	Pass

Environmental Conditions During Calibration

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

Calibration Results °C

Max. Reading Error: 0.3 °C
Acceptance Criteria: ± 0.5 °C
Uncertainty: ± 0.19 °C

Acceptance Criteria is According to Customer Requirement.

Received Date

11 Dec 2024

Issue Date

12 Dec 2024

Calibration Date

11 Dec 2024

Calibration Due

10 Dec 2025

Calibrated By
Name: Bassem Hesham
Title: Calibration Specialist
Signature:
Date: 11 Dec 2024

Prepared by
Noha Essam
Senior Technical Office Specialist

12 Dec 2024

Reviewed & Approved By
Ahmed Tarek
Technical Manager



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CALIBRATION CERTIFICATE



TAG LAB ☒

On Site ☐

Certificate No.: 001 - 001 - 055 - 2024

Customer Information

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

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.1 °C
Manufacture:	LOG TAG	Accuracy:	NA
Model:	HAXO-o8	Serial Number:	1010148440
Code:	1010148440	Range:	((-40) - 85) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GREISINGER	Serial Number:	32403245/117
Model:	GMH 3710		

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature Dataloggers CM-T&RH-002 based on DKD-R 5-8 (Edition 10/2019).

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 - 055 - 2024

Reading Information °C				
Reference Reading ts °C	Reading tm °C	Correction $\Delta t = t_s - t_m$ °C	Uncertainty ($\pm$ °C)	Pass/Fail
-25.00	-24.9	-0.1	0.19	Pass
2.00	2.1	-0.1	0.19	Pass
8.00	8.0	0.0	0.19	Pass
15.00	15.1	-0.1	0.19	Pass
40.00	39.9	0.1	0.19	Pass
70.00	70.3	-0.3	0.19	Pass

Environmental Conditions During Calibration

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

Calibration Results °C

Max. Reading Error: 0.3 °C
Acceptance Criteria: ± 0.5 °C Acceptance Criteria is According to Customer Requirement.
Uncertainty: ± 0.19 °C

Received Date

11 Dec 2024

Issue Date

12 Dec 2024

Calibration Date

11 Dec 2024

Calibration Due

10 Dec 2025

Calibrated By
Name: Bassem Hesham
Title: Calibration Specialist
Signature: 
Date: 11 Dec 2024

Prepared by
Noha Essam
Senior Technical Office Specialist

12 Dec 2024

Reviewed & Approved By
Ahmed Tarek
Technical Manager



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CALIBRATION CERTIFICATE



TAG LAB ☒

On Site ☐

Certificate No.: 001 - 001 - 065 - 2024

Customer Information

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

Instrument Under Calibration Information

Instrument Name:	Data Logger	Resolution:	0.1 °C
Manufacture:	LOG TAG	Accuracy:	NA
Model:	HAXO-08	Serial Number:	1010148407
Code:	1010148407	Range:	((-40) - 85) °C
Location:	TAG LAB		

Reference Instrument Information

Instrument Name:	Pt-100 with digital indicator	Resolution:	0.01 °C
Manufacture:	GREISINGER	Serial Number:	32403245/117
Model:	GMH 3710		

Remarks

Calibration Method: Comparison method using Digital thermometer of accuracy $\pm 0.03^{\circ}\text{C}$ Full Range based on Calibration Method for Temperature Dataloggers CM-T&RH-002 based on DKD-R 5-8 (Edition 10/2019).

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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Vol 01) Annex 01.02)
Turn Over Package
Cold Room



Jul., 2025

Rev. No.: 00

Doc. No.: TOP-Q-0125

F-7.4/35
Issue Date: 02/02/2025

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VOL-01) PERFORMANCE QUALIFICATION PROTOCOL

ANNEX 01.02.01

ATTACHMENTS

ATTACHMENTS 01.02.01.05

Inspection Certificate



REFERENCE FOR PERFORMANCE QUALIFICATION



Certificate No.: PQ-014-2025

Certificate
of
Performance Qualification Execution
for
Cold Room
at DR REDA PHARMACY STORE

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 Cold room fulfills the required acceptance criteria.

Inspection Date:
26/06/2025

Certificate Issue Date:
01/07/2025

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

Prepared By

Bassant



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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