

ภาคผนวกที่ 4

ใบรับรองการสอบเทียบเครื่องมือ

CAL

Calibratech Co.,Ltd.

7/106-7 Moo 2, Sukhprachasan 3 Rd., Bangpood, Pakkred, Nonthaburi 11120

Tel.(02) 964-6211 Fax.(02) 964-5155, e-mail : calibratech.cal@yahoo.com, calibratech.cal@hotmail.com



Certificate of Calibration

Certificate No. : 68-400468-7

Page : 1 of 2

Submitted by : M E T Company Limited

36/659 Moo 6, T.Bangrakpattana, A.Bangbuatong, Nonthaburi 11110

Equipment : Temperature controlled enclosure (Refrigerator)

Manufacturer : Sanden Intercool

Model : SRR3-0687 AR

Range : N/A °C

Resolution : 1 °C

Serial No. : SRR3675A-210400065 R

ID No. : MET-RE04/64

Environment : On site calibration was carried out at the Laboratory, M E T Company Limited

Ambient Temperature : (26.8 to 28.4) °C

Relative Humidity : (55 to 60) %

Line Voltage : (210.0 to 210.8) V

Date of Received : 19 August 2025

Date of Calibration : 19 August 2025

Date of Issue : 19 August 2025

Calibrated by : Permpon Chanpu

Calibration Method : CAL-M4004, TLAS G-20

The temperature scale used was based on ITS-90

Reference Standard Instruments : This certification is traceable to the International System of Units

Standard Digital Thermometer with Thermocouple probe

ID No. Cert. No. Due Date Traceability

400046 & 400023 68-400148-1 02 Oct 2025 National Institute of Metrology Thailand (NIMT)

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Certificate of Calibration

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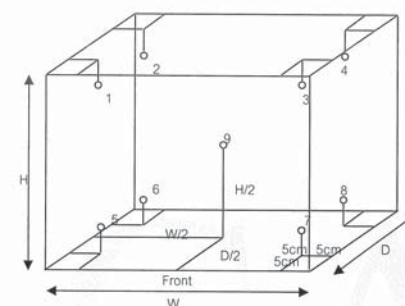
Page : 2 of 2

Result of Calibration : Without Adjustment

UUC Condition As-Received : Good

Function : Temperature measurement

This instrument was setting air ventilation at position 0 (close)



Inside of Chamber
W = 0.58 m
D = 0.60 m
H = 1.45 m
Capacity = 0.50 m³

Test Point (° C)	Setting Temperature (° C)	Indicating Temperature (° C)	Measured Temperature (° C) @ Sensor No.									Uncertainty (± ° C)
			1	2	3	4	5	6	7	8	9	
3	3	3	4.2	3.8	4.0	3.7	3.3	3.1	3.0	3.1	3.5	1.1

Test Point (°C)	Setting Temperature (°C)	Indicating Temperature (°C)	Measured Uniformity (°C)	Measured Stability (°C)	Overall Variation (°C)
3	3	3	0.9	0.6	2.2

Remark The uncertainty is not combine uniformity of the air chamber

This result of calibration was found accurate as shown on date and place of calibration only.

This reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k = 2 , providing a level of confidence of approximately 95%

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The Uncertainties are for a confidence probability of approximately 95%

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Certificate of Calibration

Certificate No. : 68-420008-1

Page : 1 of 2

Submitted by : M E T Company Limited
36/659 Moo 6, T.Bangrakpattana, A.Bangbuatong, Nonthaburi 11110

Equipment : pH Meter with electrode
pH meter
Manufacturer : Eutech Model : pH 150
Range : -2.00 to 16.00 pH Resolution : 0.01 pH
Serial No. : 2657036 ID No. : MET-PH04/60
Electrode
Model : ECFC7252101B Serial No. : 2603242122
ID No. : MET-PH04/60

Environment : Ambient Temperature : $(25 \pm 2) ^\circ \text{C}$
Relative Humidity : $(50 \pm 15) \%$

Date of Received : 16 January 2025

Date of Calibration : 23 January 2025

Date of Issue : 23 January 2025

Calibrated by : Permpon Chanpu

Calibration Method : In-house method CAL-M4201 direct measurement by using standard voltage calibrator and using certified reference material (CRM)

Reference Standard Instruments : This certification is traceable to the International System of Units

1. Multiproduct Calibrator

ID No.	Cert. No.	Due Date	Traceability
440001	23E1240	24 Mar 2025	National Institute of Metrology Thailand (NIMT)

2. Standard Buffer Solution

pH	Cert. No.	Lot No.	Exp. Date	Traceability
4.008	61293328	1027612	15 Sep 2026	CPA Chem Ltd. Accredited to ISO 17034 and ISO/IEC 17025
6.987	61297593	1027614	15 Sep 2025	CPA Chem Ltd. Accredited to ISO 17034 and ISO/IEC 17025
10.010	61306165	1027613	15 Sep 2025	CPA Chem Ltd. Accredited to ISO 17034 and ISO/IEC 17025

The Uncertainties are for a confidence probability of approximately 95%

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CAL-F0031-03

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Certificate of Calibration

Certificate No. : 68-420008-1

Page : 2 of 2

Result of Calibration :

UUC Condition As-Received : Good

Function : Electrical measurement
pH meter

Performing standard curve by Multiproduct Calibrator at pH (4,7,10)

Adjustment Curve at nominal pH	Applied Voltage (mV)	Nominal Value (pH)	UUC Reading		Correction (mV)	Uncertainty ($\pm$ mV)
			(pH)	(mV)		
4, 7, 10	177.4800	4	4.00	177.1	0.4	0.060
	0.0000	7	6.98	-0.1	0.1	0.060
	-177.4800	10	10.00	-177.3	-0.2	0.060

Function : pH meter with electrode

Performing a three - buffer standard curve using buffer nominal pH (4,7,10)

Adjustment Curve at nominal pH	Standard Buffer (pH)	UUC Reading (pH)	Correction (pH)	Uncertainty ($\pm$ pH)
4, 7, 10	4.008	4.01	0.00	0.0097
	6.987	7.00	-0.01	0.011
	10.010	10.01	0.00	0.014

Remark

UUC : Unit Under Calibration

This result of calibration was found accurate as shown on date and place of calibration only.

This reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95%

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Certificate of Calibration

Certificate No. : 68-420105-4

Page : 1 of 2

Submitted by : M E T Company Limited
36/659 Moo 6, T.Bangrakpattana, A.Bangbuatong, Nonthaburi 11110

Equipment : pH Meter with electrode
pH meter
Manufacturer : Hanna Model : HI8424
Range : N/A pH Resolution : 0.01 pH
Serial No. : 06190028101 ID No. : MET-pH09/64
Electrode
Model : HI1230 Serial No. : 081319AN
ID No. : MET-pH09/64

Environment : On site calibration was carried out at the Laboratory, M E T Company Limited
Ambient Temperature : (27.4 to 29.8) °C
Relative Humidity : (53 to 65) %

Date of Received : 18 November 2025

Date of Calibration : 18 November 2025

Date of Issue : 19 November 2025

Calibrated by : Permpon Chanpu

Calibration Method : In-house method CAL-M4201 direct measurement by using standard voltage calibrator and using certified reference material (CRM)

Reference Standard Instruments : This certification is traceable to the International System of Units

1. Multiproduct Calibrator

ID No.	Cert. No.	Due Date	Traceability
400005	SG-E-00231/68	20 Aug 2027	National Institute of Metrology Thailand (NIMT)

2. Certified Reference Material (CRM)

pH	Cert. No.	Lot No.	Exp. Date	Traceability
4.008	61340084	1146794	30 Oct 2027	CPA Chem Ltd. Accredited to ISO 17034 and ISO/IEC 17025
6.988	61328150	1146796	25 Oct 2026	CPA Chem Ltd. Accredited to ISO 17034 and ISO/IEC 17025
10.010	61323674	1146795	30 Oct 2026	CPA Chem Ltd. Accredited to ISO 17034 and ISO/IEC 17025

The Uncertainties are for a confidence probability of approximately 95%

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Certificate of Calibration

Certificate No. : 68-420105-4

Page : 2 of 2

Result of Calibration :

UUC Condition As-Received : Good

Function : Electrical measurement
pH meter

Performing standard curve by Multiproduct Calibrator at pH (4,7) and (7,10)

Adjustment Curve at nominal pH	Applied Voltage (mV)	Nominal Value (pH)	UUC Reading		Correction (mV)	Uncertainty (± mV)
			(pH)	(mV)		
4, 7	177.4800	4	4.00	177.5	0.0	0.12
	0.0000	7	7.00	0.1	-0.1	0.090
7, 10	0.0000	7	7.00	0.1	-0.1	0.090
	-177.4800	10	10.00	-177.3	-0.2	0.12

Function : pH meter with electrode

Performing a three - buffer standard curve using buffer nominal pH (4,7) and (7,10)

Adjustment Curve at nominal pH	Standard Buffer (pH)	UUC Reading (pH)	Correction (pH)	Uncertainty (± pH)
4, 7	4.008	4.01	0.00	0.0097
	6.988	7.01	-0.02	0.011
7, 10	6.988	7.01	-0.02	0.011
	10.010	10.01	0.00	0.014

Remark

UUC : Unit Under Calibration

This result of calibration was found accurate as shown on date and place of calibration only.

This reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95%

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Certificate of Calibration

Certificate No. : 68-200092-2

Page : 1 of 2

Submitted by : M E T Company Limited
36/659 Moo 6, T.Bangrakpattana, A.Bangbuatong, Nonthaburi 11110

Equipment : Electronic Balance
Manufacturer : AND Model : FX-2000i
Serial No. : 15639789 ID No. : MET-EB03/61
Capacity : 2200 g Resolution : 0.01 g

Environment : On site calibration was carried out at the Laboratory, M E T Company Limited
Ambient Temperature : (26.0 to 26.2) °C
Relative Humidity : (48.4 to 51.4) %
Air Pressure : 1012.0 mbar

Date of Received : 10 March 2025

Date of Calibration : 10 March 2025

Date of Issue : 11 March 2025

Calibrated by : Akaradath Thippichai

Calibration Method : In-house method CAL-M2001 based on UKAS Publication ref : LAB 14
Edition 7 - November 2022

Reference Standard Instruments : This certification is traceable to the International System of Units

Standard Weights

ID No.	Cert. No.	Due Date	Traceability
F181-F1821	67-210457-1	12 Jun 2025	National Institute of Metrology (Thailand), (NIMT)

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Certificate of Calibration

Certificate No. : 68-200092-2

Page : 2 of 2

Result of Calibration : After Adjustment

UUC Condition As-Received : Good

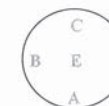
Departure of indication from nominal value

Nominal Value (g)	Correction (g)	Uncertainty ± (g)	Error before Adjustment (g)
200	0.00	0.011	0.00
500	0.00	0.011	0.00
600	0.00	0.011	0.00
700	0.00	0.011	0.00
800	0.00	0.011	0.00
1000	0.01	0.011	0.00
1200	0.01	0.012	0.01
1500	0.01	0.012	0.02
2000	0.00	0.014	0.03
2200	0.00	0.023	0.06

This result of calibration was found accurate as shown on date and place of calibration only.

This reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor $k = 2.00$, providing a level of confidence of approximately 95%

Eccentric error Load test : 500 g
A B C D E
0.00 -0.01 -0.01 0.00 0.00 g



Repeatability Load test : 2000 g
Stdev. : 0.000 g

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The Uncertainties are for a confidence probability of approximately 95%

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CAL-F0031-03



CAL-F0031-03

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Certificate of Calibration

Certificate No. : 68-200092-1

Page : 1 of 2

Submitted by : M E T Company Limited
36/659 Moo 6, T.Bangrakpattana, A.Bangbuatong, Nonthaburi 11110

Equipment : Electronic Balance
Manufacturer : METTLER TOLEDO Model : AG285
Serial No. : 1122140126 ID No. : MET-EB01/46
Capacity : 210 g Resolution : 0.00001g/81g, 0.0001g/210g

Environment : On site calibration was carried out at the Laboratory, M E T Company Limited
Ambient Temperature : (25.4 to 26.4) °C
Relative Humidity : (47.8 to 56.8) %
Air Pressure : 1012.0 mbar

Date of Received : 10 March 2025

Date of Calibration : 10 March 2025

Date of Issue : 11 March 2025

Calibrated by : Akaradath Thippichai

Calibration Method : In-house method CAL-M2001 based on UKAS Publication ref : LAB 14
Edition 7 - November 2022

Reference Standard Instruments : This certification is traceable to the International System of Units

Standard Weights

ID No.	Cert. No.	Due Date	Traceability
E261-E2624	C02242009	07 Nov 2025	National Institute of Metrology (Thailand), (NIMT)

The Uncertainties are for a confidence probability of approximately 95%

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Certificate of Calibration

Certificate No. : 68-200092-1

Page : 2 of 2

Result of Calibration : Without Adjustment

UUC Condition As-Received : Good

Departure of indication from nominal value

Nominal Value (g)	Correction (g)	Uncertainty ± (g)
0.01	0.00000	0.000017
0.1	0.00001	0.000019
1	0.00000	0.000027
5	-0.00001	0.000043
10	0.00000	0.000053
20	-0.00016	0.000071
50	-0.00019	0.00011
100	-0.0006	0.00021
150	-0.0008	0.00038
200	-0.0008	0.00038

This result of calibration was found accurate as shown on date and place of calibration only.

This reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor $k = 2.15$, providing a level of confidence of approximately 95%

Eccentric error Load test : 50 g
A B C D E
0.00029 0.00024 -0.00038 -0.00039 0.00000 g



Repeatability Load test : 200 g
Stdev. : 0.000053 g

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CAL-F0031-03

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Certificate of Calibration

Certificate No. : 68-400468-2

Page : 1 of 2

Submitted by : M E T Company Limited

36/659 Moo 6, T.Bangrakpattana, A.Bangbuatong, Nonthaburi 11110

Equipment : Temperature controlled enclosure (Oven)

Manufacturer : Binder

Model : ED53

Range : N/A °C

Resolution : 1 °C

Serial No. : 13-07419

ID No. : MET-OV02/57

Environment : On site calibration was carried out at the Laboratory, M E T Company Limited

Ambient Temperature : (32.5 to 33.5) °C

Relative Humidity : (45 to 50) %

Line Voltage : (210.0 to 210.8) V

Date of Received : 19 August 2025

Date of Calibration : 19 August 2025

Date of Issue : 19 August 2025

Calibrated by : Permpon Chanpu

Calibration Method : CAL-M4004, TLAS G-20

The temperature scale used was based on ITS-90

Reference Standard Instruments : This certification is traceable to the International System of Units

Standard Digital Thermometer with Thermocouple probe

ID No. **Cert. No.** **Due Date** **Traceability**

400029 & 400032 68-400217-1 28 Oct 2025 National Institute of Metrology Thailand (NIMT)

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Certificate No. : 68-400468-2

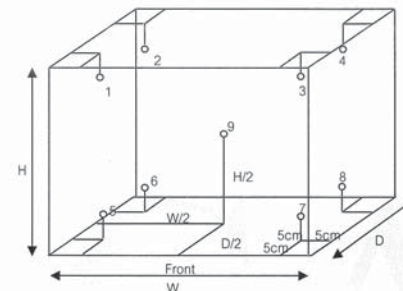
Page : 2 of 2

Result of Calibration : Without Adjustment

UUC Condition As-Received : Good

Function : Temperature measurement

This instrument was setting air ventilation at position 0 (close)



Inside of Chamber
W = 0.40 m
D = 0.33 m
H = 0.40 m
Capacity = 0.05 m³

Test Point (°C)	Setting Temperature (°C)	Indicating Temperature (°C)	Measured Temperature (°C) @ Sensor No.									Uncertainty (± °C)
			1	2	3	4	5	6	7	8	9	
104	110	110	105.6	105.8	105.4	105.7	104.1	104.1	103.6	103.8	104.3	1.0
180	184	184	179.9	182.1	179.9	181.0	179.8	181.1	179.4	180.8	179.5	1.3

Test Point (°C)	Setting Temperature (°C)	Indicating Temperature (°C)	Measured Uniformity (°C)	Measured Stability (°C)	Overall Variation (°C)
104	110	110	1.8	0.2	2.4
180	184	184	2.9	0.3	3.2

Remark The uncertainty is not combine uniformity of the air chamber

This result of calibration was found accurate as shown on date and place of calibration only.

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Certificate of Calibration

Certificate No. : 68-400468-1

Page : 1 of 2

Submitted by : M E T Company Limited

36/659 Moo 6, T.Bangrakpattana, A.Bangbuatong, Nonthaburi 11110

Equipment : Temperature controlled enclosure (Oven)

Manufacturer : Memmert

Model : UF 55

Range : N/A °C

Resolution : 0.1 °C

Serial No. : B223.1049

ID No. : MET-OV03/67

Environment : On site calibration was carried out at the Laboratory, M E T Company Limited

Ambient Temperature : (27.0 to 27.5) °C

Relative Humidity : (55 to 58) %

Line Voltage : (210.0 to 210.8) V

Date of Received : 19 August 2025

Date of Calibration : 19 August 2025

Date of Issue : 19 August 2025

Calibrated by : Permpoon Chanpu

Calibration Method : CAL-M4004, TLAS G-20

The temperature scale used was based on ITS-90

Reference Standard Instruments : This certification is traceable to the International System of Units

Standard Digital Thermometer with Thermocouple probe

ID No.	Cert. No.	Due Date	Traceability
400029 & 400030	68-400216-1	28 Oct 2025	National Institute of Metrology Thailand (NIMT)

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Certificate of Calibration

Certificate No. : 68-400468-1

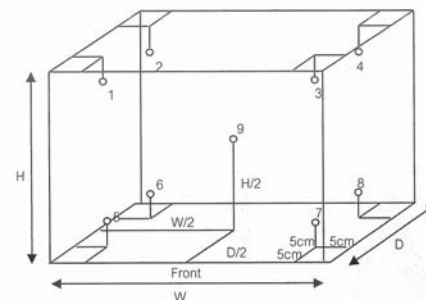
Page : 2 of 2

Result of Calibration : Without Adjustment

UUC Condition As-Received : Good

Function : Temperature measurement

This instrument was setting air ventilation at position 0 (close)



Inside of Chamber
W = 0.40 m
D = 0.33 m
H = 0.40 m
Capacity = 0.05 m³

Test Point (°C)	Setting Temperature (°C)	Indicating Temperature (°C)	Measured Temperature (°C) @ Sensor No.									Uncertainty (± °C)
			1	2	3	4	5	6	7	8	9	
180.0	180.0	180.0	180.4	179.9	180.2	179.4	180.3	180.1	179.1	179.0	180.5	0.95

Test Point (°C)	Setting Temperature (°C)	Indicating Temperature (°C)	Measured Uniformity (°C)	Measured Stability (°C)	Overall Variation (°C)
180.0	180.0	180.0	1.6	0.1	1.7

Remark The uncertainty is not combine uniformity of the air chamber

This result of calibration was found accurate as shown on date and place of calibration only.

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Preventive Maintenance Scrubber

Service No. PM25-S08-106

1. Customer Information

Customer Name	Instrument	Serial Number	Service Date
บริษัท เอ็ม อี ที จำกัด 36/659 หมู่ที่ 6 ถนนดลิ่งขันธ์-สุ พรรณฯ ตำบลบางรักพัฒนา อำเภอ บางบัวทอง นนทบุรี 11110	K-415	1000281005	30 Apr 2025 PM 2/2

2. Instrument

2.1 Cooling water (If it connected)	OK	NOT OK	Remark
- Temperature 10 – 20 °C	/		
- Cooling water inlet	/		
- Cooling water outlet	/		

2.2 Cleaning	DONE	NOT DONE	Remark
- Housing	/		
- Condenser	/		
- Swirl disc	/		



Preventive Maintenance Scrubber

2.3 Visual Check	OK	NOT OK	Remark
- Hose connection to suction	/		
- Glassware	/		
- Lip gasket	/		
- GL-14 connector	/		
- Activated charcoal	/		

2.4 Flush Pump

- Make sure, the bypass valve is closed completely (for maximum suction power).
- Disconnect the silencer, move it down (or take it away from the instrument), and flush out the pump with at least 500 mL of distilled water through the pump inlet, until the collected washing water is clean.
 - Switch on the instrument and collect the waste water from the pump output in a suitable vessel.

Flush pump

☒ OK

☐ NOT OK

2.5 Washing Solution

- Sodium hydroxide 8-10 %, max. 20 %
- Sodium carbonate
 - dissolve 600 g Na₂CO₃ in 3 L distilled warm water, or
 - dissolve 1.7 kg Na₂CO₃ in 10 H₂O in 3 L distilled warm water

Washing solution

☒ OK

☐ NOT OK



BUCHI (Thailand) Ltd.
ASEAN Competence Center

77/121 Sin Sathorn Tower
28th FL, Krungthornburi Rd.
Klongtongsa, Klongsan
Bangkok 10600
P +662 862 0851
F +662 862 0854
bacc@buchi.com
www.buchi.com

Preventive Maintenance Scrubber

3. Summary

All specifications OK	Specification not OK
OK	

Comments

- เครื่องทำงานปกติ
- PM 2/2

Signature BUCHI

Date 30 Apr 2025

Date 02 May 2025



CAL

Calibratech Co.,Ltd.

7/106-7 Moo 2, Sukhaprachasan 3 Rd., Bangpood, Pakkred, Nonthaburi 11120

Tel.(02) 964-6211 Fax.(02) 964-5155, e-mail : calibratech.cal@yahoo.com, calibratech.cal@hotmail.com



Certificate of Calibration

Page : 1 of 2

Certificate No. : 68-300172-2

Submitted by : M E T Company Limited

36/659 Moo 6, T. Bangrakpattana, A. Bangbuatong, Nonthaburi 11110

Equipment : Burette

Manufacturer : Witeg

Class : B

Capacity : 50 ml

Graduation : 0.1 ml

ID No. : MET-BU50:01/64

Environment : Ambient Temperature : (20 ± 3) °C

Relative Humidity : (50 ± 10) %

Air Pressure : 1016.8 mbar.

Date of Received : 20 February 2025

Date of Calibration : 24 February 2025

Date of Issue : 24 February 2025

Calibrated by : Wipa Tovadee

Calibration Method : In-house method CAL-M3001 based on ASTM E 542-22

Reference Standard Instruments : This certification is traceable to the International System of Units

Electronic Balance

ID No.	Cert. No.	Due Date	Traceability
241003	67-200410-2	02 Jun 2025	National Institute of Metrology (Thailand) (NIMT)

The Uncertainties are for a confidence probability of approximately 95%

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Certificate of Calibration

Certificate No. : 68-300172-2

Page : 2 of 2

Result of Calibration : This result of true Volume is referred to standard temperature at 20 °C

UUC Condition As-Received : Good

Delivery Time : 32.90 sec.

Nominal Volume (ml)	Measuring Volume (ml)
10	10.0231
25	24.9988
50	49.9766

Uncertainty of measurement with in $\pm$ 0.011 ml

This result of calibration was found accurate as shown on date and place of calibration only.

This reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor $k = 2.00$, providing a level of confidence of approximately 95%

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CAL-F0031-03

CAL

Calibratech Co.,Ltd.

7/106-7 Moo 2, Sukhaprachasan 3 Rd., Bangpood, Pakkred, Nonthaburi 11120

Tel.(02) 964-6211 Fax.(02) 964-5155, e-mail : calibratech.cal@yahoo.com, calibratech.cal@hotmail.com



Certificate of Calibration

Certificate No. : 67-410047-1

Page : 1 of 2

Submitted by : M E T Company Limited

36/659 Moo 6, T. Bangrakpattana, A. Bangbuatong, Nonthaburi 11110

Equipment : Digital Thermo-Hygrometer

Manufacturer : Digicon

Model : TH-03A

Range Temperature : -10 °C to 50 °C Resolution : 0.1 °C

Range Humidity : 20 %R.H. to 99 %R.H. Resolution : 1 %R.H.

Serial No. : 425048554

ID No. : MET-TH07/66

Environment : Ambient Temperature : (23 $\pm$ 2) °C

Relative Humidity : (50 $\pm$ 15) %

Date of Received : 25 April 2024

Date of Calibration : 27 April to 30 April 2024

Date of Issue : 30 April 2024

Calibrated by : Chortip Samchusri

Calibration Method : This instrument was calibrated by In-house method comparison technique CAL-M4013 by compared with standard probe sensor humidity/temperature into humidity/temperature chamber.

Reference Standard Instruments : This certification is traceable to the International System of Units

Digital Indicator with Standard Probe Temp&Hum

ID No.	Cert. No.	Due Date	Traceability
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400034 & 400036	SG-H-00020/67	05 Jul 2024	Success Gateway Co., Ltd., Accredited by TISI Calibration No.0268
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The Uncertainties are for a confidence probability of approximately 95%

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CAL-F0031-03

Certificate of Calibration

Certificate No. : 67-410047-1

Page : 2 of 2

UUC Condition As-Received : Good

Result of Calibration : Without Adjustment

Function : Temperature measurement (Mode : In)

Reference Humidity @ 50 %R.H.

Standard Temperature (°C)	UUC Reading (°C)	Correction (°C)	Uncertainty (± °C)
19.96	20.4	-0.4	0.46
25.02	25.3	-0.3	0.46
30.01	29.8	0.2	0.46

Result of Calibration : Without Adjustment

Function : Humidity measurement

Reference Temperature @ 25 °C

Standard Humidity (%R.H.)	UUC Reading (%R.H.)	Correction (%R.H.)	Uncertainty (± %R.H.)
40.01	47	-7	2.2
49.99	56	-6	2.2
59.97	65	-5	2.3

Remark

UUC : Unit Under Calibration

This result of calibration was found accurate as shown on date and place of calibration only.

This reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95%

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