



Enovative Environmental Service Limited

REPORT OF EQUIPMENT CALIBRATION

INSTRUMENT DESCRIPTION

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler and the filter paper is weighted by HOKLAS laboratory.

Instrument: Handheld TSP meter
Brand Name: TSI
Model No.: AM520
Serial No.: 5201735004
Date of Calibration: 29 September, 2025
Date of Next Calibration : 29 September, 2026

ISSUING ORGANISATION

Address

Enovative Environmental Service Limited
Flat 23, 6/F, Block C, Goldfield Industrial Centre
1 Sui Wo Road
Shatin, N.T.
Hong Kong

Phone: 852-2242 1020
Fax: 852-3691 9240
Email: info@eno.com.hk



Thomas

Mr Wong Siu Ho, Thomas
Manager



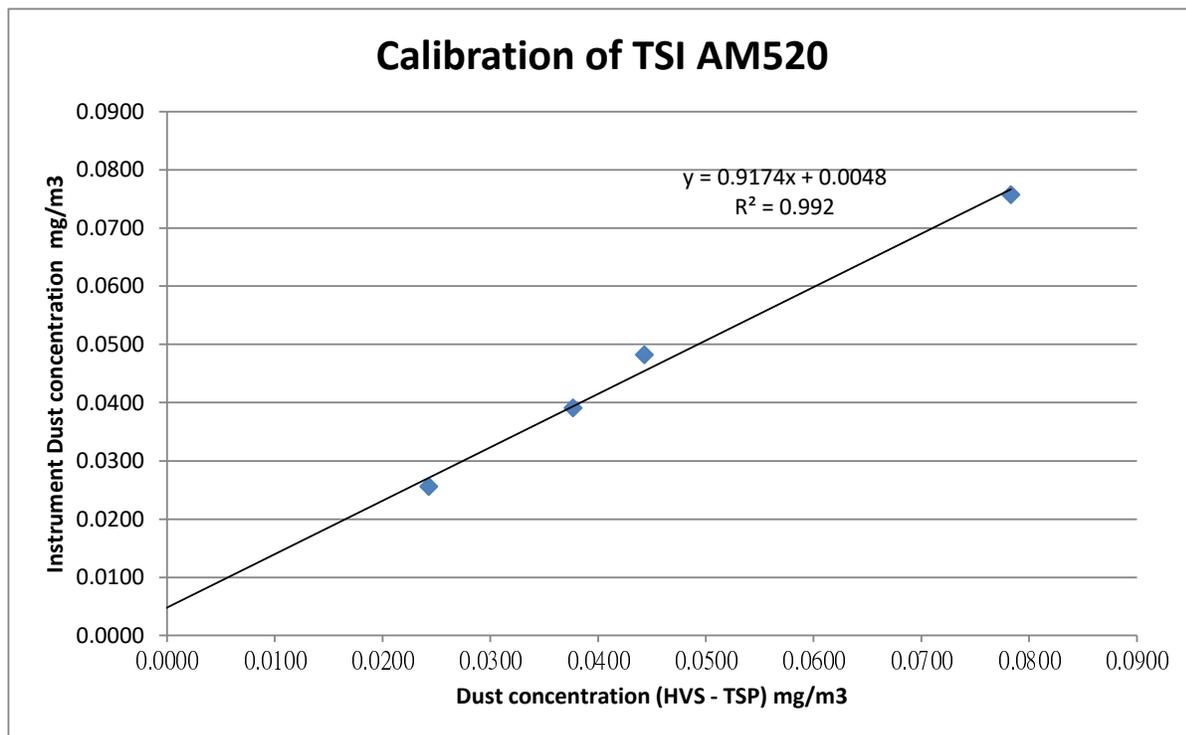
Enovative Environmental Service Limited

Brand Name: TSI
Model No.: AM520
Serial No.: 5201735004
HVS No.: A12-TSP-102
Date of Calibration: 29 September, 2025
Date of next Calibration: 29 September, 2026

Calibration Record

HVS - TSP (mg/m ³)	0.0243	0.0377	0.0783	0.0443
TSI AM520 (mg/m ³)	0.0256	0.0391	0.0757	0.0482

K Factor :	0.9174
Correlation Coefficient :	0.992



*** Filter paper being used in the calibration : 209940, 209941 ,209942, 209943
Those filter papers are weighted by HOKLAS laboratory (ALS Technichem (HK) Pty Ltd.)



Mr Wong Siu Ho, Thomas
Manager



Enovative Environmental Service Limited

REPORT OF EQUIPMENT CALIBRATION

INSTRUMENT DESCRIPTION

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler and the filter paper is weighted by HOKLAS laboratory.

Instrument: Handheld TSP meter
Brand Name: TSI
Model No.: AM520
Serial No.: 5201735006
Date of Calibration: 29 September, 2025
Date of Next Calibration : 29 September, 2026

ISSUING ORGANISATION

Address

Enovative Environmental Service Limited
Flat 23, 6/F, Block C, Goldfield Industrial Centre
1 Sui Wo Road
Shatin, N.T.
Hong Kong

Phone: 852-2242 1020
Fax: 852-3691 9240
Email: info@eno.com.hk



Thomas

Mr Wong Siu Ho, Thomas
Manager



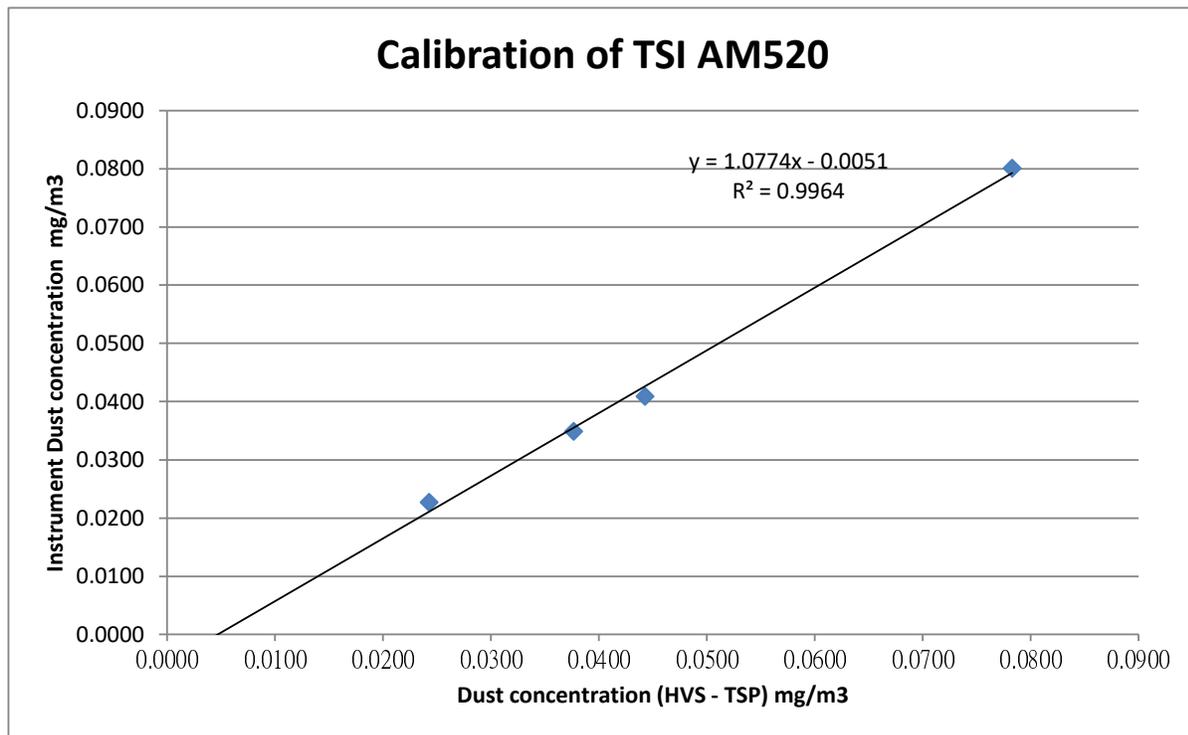
Enovative Environmental Service Limited

Brand Name: TSI
Model No.: AM520
Serial No.: 5201735006
HVS No.: A12-TSP-102
Date of Calibration: 29 September, 2025
Date of next Calibration: 29 September, 2026

Calibration Record

HVS - TSP (mg/m ³)	0.0243	0.0377	0.0783	0.0443
TSI AM520 (mg/m ³)	0.0227	0.0349	0.0801	0.0409

K Factor :	1.0774
Correlation Coefficient :	0.9964



*** Filter paper being used in the calibration : 209940, 209941 ,209942, 209943
Those filter papers are weighted by HOKLAS laboratory (ALS Technichem (HK) Pty Ltd.)



Mr Wong Siu Ho, Thomas
Manager

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : AMS5(Ma Wan Chung Village)
Calibrated by : P.F.Yeung
Date : 25/10/2025

Sampler

Model : TE-5170
Serial Number : S/N3640

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454
Next Calibration Date : 02 December 2025
Slope (m) : 2.08315
Intercept (b) : -0.04938
Correlation Coefficient(r) : 0.99985

Standard Condition

Pstd (hpa) : 1013
Tstd (K) : 298.18

Calibration Condition

Pa (hpa) : 1017
Ta(K) : 298

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1 18 holes	9.8	3.137	1.530	60	60.13
2 13 holes	7.8	2.799	1.367	55	55.12
3 10 holes	5.8	2.413	1.182	50	50.11
4 7 holes	3.7	1.928	0.949	44	44.09
5 5 holes	2.4	1.552	0.769	38	38.08

Notes: $Z=\text{SQRT}\{dH(Pa/Pstd)(Tstd/Ta)\}$, $X=Z/m-b$, $Y(\text{Corrected Flow})=IC*\{\text{SQRT}(Pa/Pstd)(Tstd/Ta)\}$

Sampler Calibration Relationship

Slope(m):28.376 Intercept(b):16.605 Correlation Coefficient(r):0.9992

Checked by: Magnum Fan

Date: 26/10/2025

TSP High Volume Sampler Calibration

SITE

Location: **AMS6 Dragon Air Building** Date: **September 20, 2025**
 Sampler: **TE-5170** Tech: **Sam Wong**

CONDITIONS

Barometric Pressure (in Hg):	39.60	Corrected Pressure (mm Hg):	1006
Temperature (deg F):	82	Temperature (deg K):	301
Average Press. (in Hg):	39.60	Corrected Average (mm Hg):	1006
Average Temp. (deg F):	82	Average Temp. (deg K):	301

CALIBRATION ORIFICE

Make: Tisch Environmental, Inc	Slope:	2.09671
Model: TE-5025A	Intercept:	-0.01852
Serial # 4064	Date Certified:	December 16, 2024

CALIBRATION

Plate or Test #	H2O (in)	Qstd (m3/min)	I (chart)	IC (corrected)	LINEAR REGRESSION
1	12.20	1.916	52.0	59.55	Slope: 29.2273 Intercept: 3.7649 Corr. Coeff: 0.9979
2	10.00	1.736	48.0	54.96	
3	6.80	1.433	40.0	45.80	
4	5.00	1.230	34.0	38.93	
5	3.00	0.955	28.0	32.06	
					# of Observations: 5

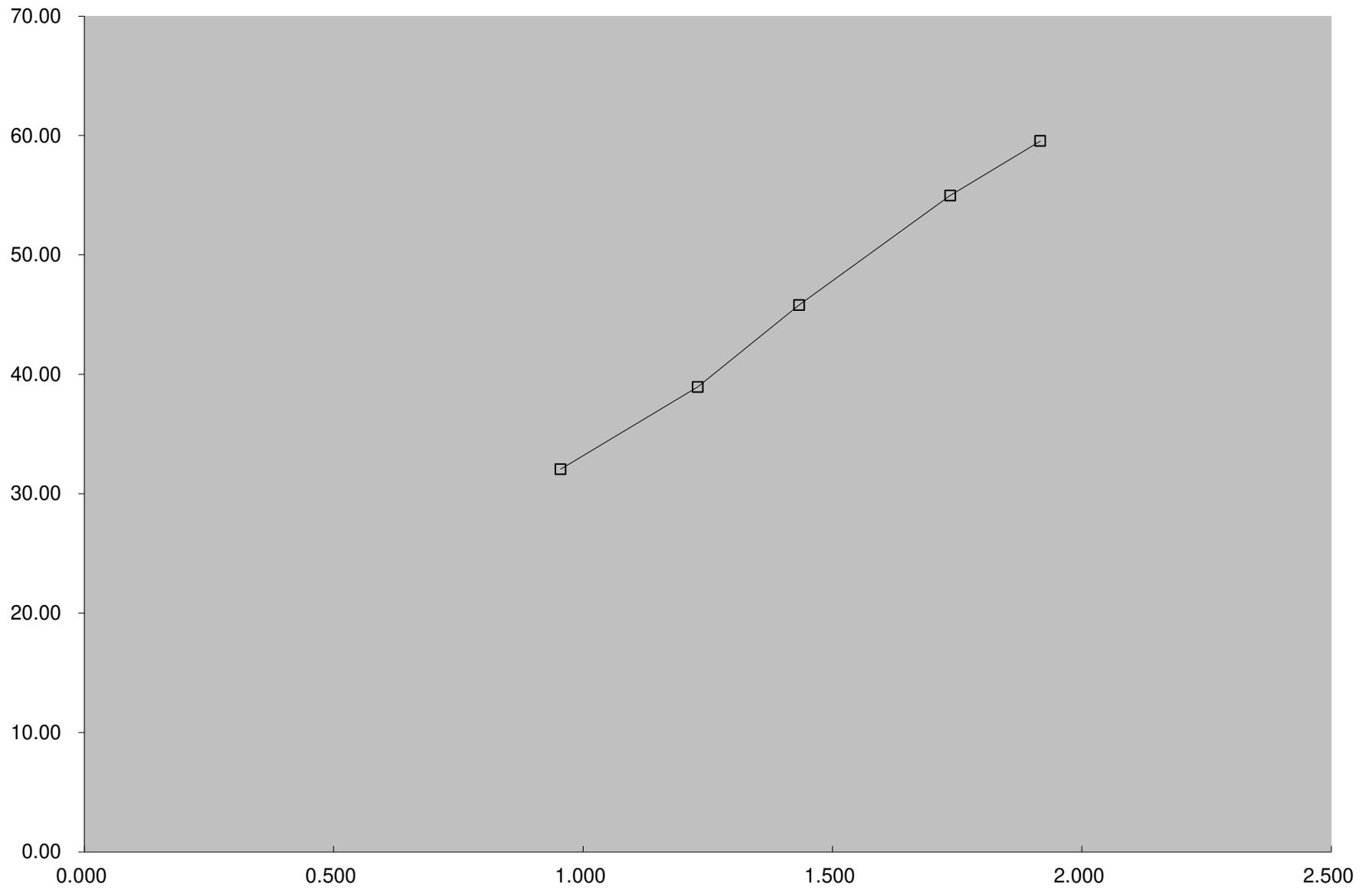
CALCULATIONS

$$Qstd = 1/m[\text{Sqrt}(H2O(Pa/Pstd)(Tstd/Ta)) - b]$$

$$IC = I[\text{Sqrt}(Pa/Pstd)(Tstd/Ta)]$$

Qstd = standard flow rate	m = sampler slope
IC = corrected chart response	b = sampler intercept
m = calibrator slope	I = chart response
b = calibrator intercept	Tav = daily average temperature
Ta = actual temperature (deg K)	Pav = daily average pressure
Pa = actual pressure (mm Hg)	
Tstd = 298 deg K	
Pstd = 760 mm Hg	

For subsequent calculation of sampler flow:
 $1/m((I) [\text{Sqrt}(298/Tav)(Pav/760)] - b)$



TSP High Volume Sampler Calibration

SITE

Location: **AMS6 Dragon Air Building** Date: **November 19, 2025**
 Sampler: **TE-5170** Tech: **Sam Wong**

CONDITIONS

Barometric Pressure (in Hg):	40.30	Corrected Pressure (mm Hg):	1024
Temperature (deg F):	62	Temperature (deg K):	290
Average Press. (in Hg):	40.30	Corrected Average (mm Hg):	1024
Average Temp. (deg F):	62	Average Temp. (deg K):	290

CALIBRATION ORIFICE

Make: Tisch Environmental, Inc	Slope:	2.09671
Model: TE-5025A	Intercept:	-0.01852
Serial # 4064	Date Certified:	December 16, 2024

CALIBRATION

Plate or Test #	H2O (in)	Qstd (m3/min)	I (chart)	IC (corrected)	LINEAR REGRESSION
1	12.20	1.970	52.0	61.21	Slope: 29.2273 Intercept: 3.8774 Corr. Coeff: 0.9979
2	10.00	1.784	48.0	56.50	
3	6.80	1.473	40.0	47.08	
4	5.00	1.264	34.0	40.02	
5	3.00	0.981	28.0	32.96	
# of Observations:					5

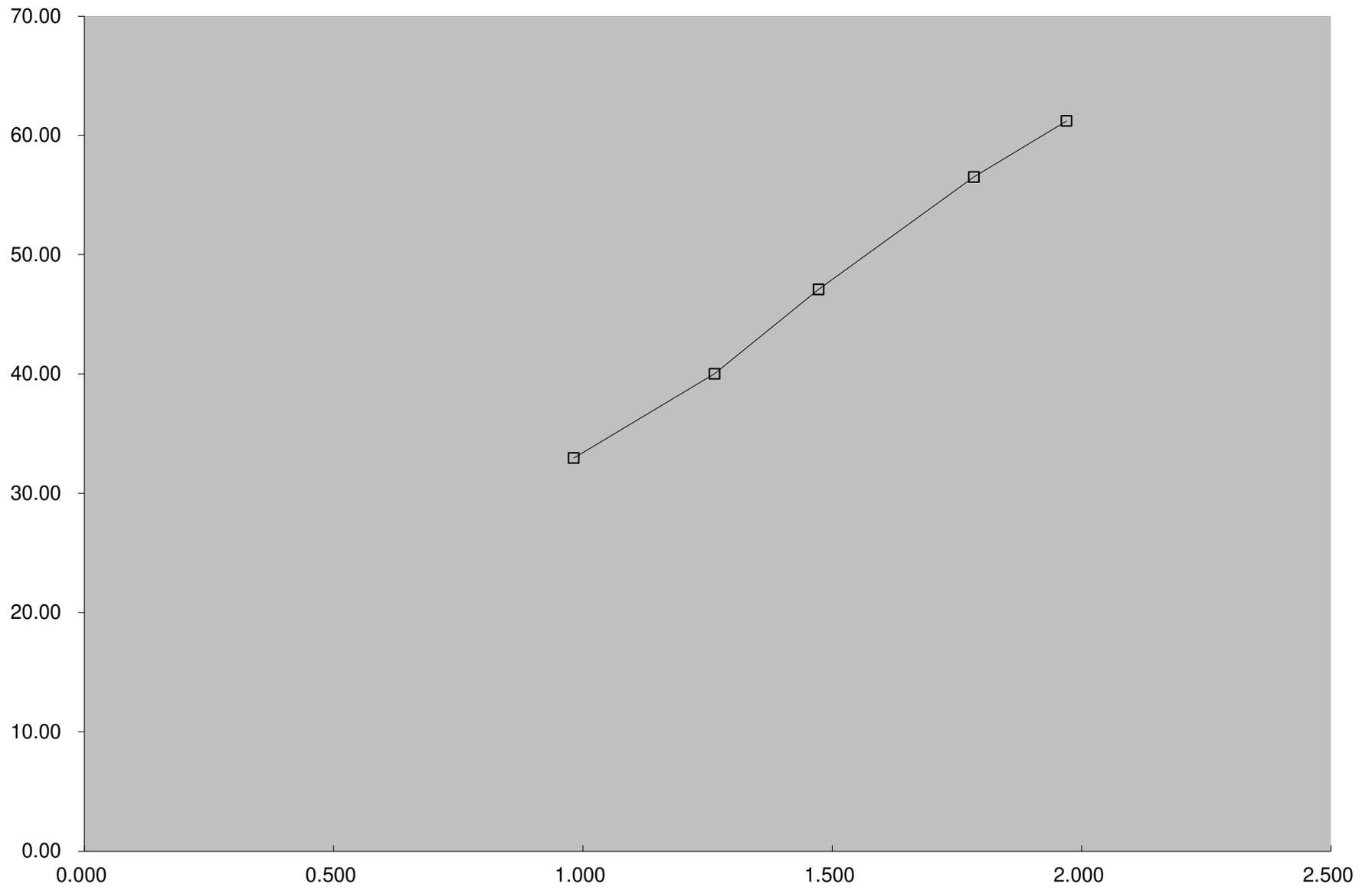
CALCULATIONS

$$Qstd = 1/m[\text{Sqrt}(H2O(Pa/Pstd)(Tstd/Ta)) - b]$$

$$IC = I[\text{Sqrt}(Pa/Pstd)(Tstd/Ta)]$$

Qstd = standard flow rate	m = sampler slope
IC = corrected chart response	b = sampler intercept
m = calibrator slope	I = chart response
b = calibrator intercept	Tav = daily average temperature
Ta = actual temperature (deg K)	Pav = daily average pressure
Pa = actual pressure (mm Hg)	
Tstd = 298 deg K	
Pstd = 760 mm Hg	

For subsequent calculation of sampler flow:
 $1/m((I) [\text{Sqrt}(298/Tav)(Pav/760)] - b)$





Calibration Certificate

Certificate No. **510406**

Page 1 of 3 Pages

Customer : Enovative Environmental Service Limited

Address : Room 23, 6/F, Block C, Goldfield Industrial Centre, 1 Siu Wo Road, Shatin, N.T.

Order No. : Q53957

Date of receipt : 10-Oct-25

Item Tested

Description : Sound Level Meter

Manufacturer : RION

Model : NL-52

I.D. : N15-RION-006

Serial No. : 01143483

Test Conditions

Date of Test : 23-Oct-25

Ambient Temperature : $(23 \pm 3)^{\circ}\text{C}$

Supply Voltage : --

Relative Humidity : $(50 \pm 25)\%$

Test Specifications

Calibration check.

The UUT has an indication that it conforms to IEC 61672-1:2002 Class 1

Ref. Document/Procedure: IEC 61672-1:2013.

Test Results

The results are shown in the attached page(s).

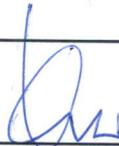
Main Test equipment used:

<u>Equipment No.</u>	<u>Description</u>	<u>Cert. No.</u>	<u>Traceable to</u>
S240	Sound Level Calibrator	503856	NIM-PRC & SCL-HKSAR
S017	Multi-Function Generator	C211339	SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI), or by reference to a natural constant. The test results apply to the above Unit-Under-Test only

Calibrated by : 
Elva Chong

Approved by : 
Kin Wong

This Certificate is issued by:

Hong Kong Calibration Ltd.

Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street, Kwai Chung, NT, Hong Kong.

Tel: 2425 8801 Fax: 2425 8646

Date: 23-Oct-25



Calibration Certificate

Certificate No. 510406

Page 2 of 3 Pages

Results :

Acoustical signal test

1. Indication at the Calibration Check Frequency (1kHz)

UUT Setting		Applied Value (dB)	UUT Reading (dB)
Weight.	Response		After Adjust.*
A	F	94.0	94.0
	S		94.0
C	F		94.0
Z			94.0

*Adjustment using the customer's sound calibrator was performed immediately before test.

Tolerance : ± 1.0 dB

Uncertainty : ± 0.1 dB

2. Self-generated noise (Microphone Installed, most sensitive range) : 17.1 dBA

Electrical signal tests

3. Frequency weightings (A ,F)

Frequency	Attenuation (dB)	IEC 61672-1 Class 1 Spec.
31.5 Hz	-39.6	- 39.4 dB, ± 1.5 dB
63 Hz	-26.2	- 26.2 dB, ± 1.0 dB
125 Hz	-16.2	- 16.1 dB, ± 1.0 dB
250 Hz	-8.7	- 8.6 dB, ± 1.0 dB
500 Hz	-3.2	- 3.2 dB, ± 1.0 dB
1 kHz	0.0 (Ref)	0 dB, ± 0.7 dB
2 kHz	+1.2	+ 1.2 dB, ± 1.0 dB
4 kHz	+1.3	+ 1.0 dB, ± 1.0 dB
8 kHz	+1.0	- 1.1 dB, + 1.5 dB ~ -2.5 dB
16 kHz	-2.6	- 6.6 dB, + 2.5 dB ~ - 16.0 dB

Uncertainty : ± 0.1 dB



Calibration Certificate

Certificate No. 510406

Page 3 of 3 Pages

4. Frequency & Time weightings

4.1 Frequency Weighting (1kHz)

UUT Setting		Anticipated Value (dB)	UUT Reading (dB)	IEC 61672-1 Class 1 Spec.
Time Weight.	Freq. Weight.			
F	A	94.0	94.0 (Ref.)	--
	C		94.0	± 0.2 dB
	Z		94.0	

Uncertainty : ± 0.1 dB

4.2 Time Weighting (1kHz)

UUT Setting		Anticipated Value (dB)	UUT Reading (dB)	IEC 61672-1 Class 1 Spec.
Time Weight.	Freq. Weight.			
F	A	94.0	94.0 (Ref.)	--
S			94.0	± 0.1 dB
eq			94.0	

Uncertainty : ± 0.1 dB

5. Level Linearity on the Reference Level Range (8 kHz, A, F)

Anticipated Value (dB)	UUT Reading (dB)	IEC 61672-1 Class 1 Spec.
124.0	123.9	± 0.8 dB
114.0	114.0	
104.0	104.0	
94.0	94.0 (Ref.)	
84.0	84.0	
74.0	73.9	
64.0	63.9	
54.0	54.0	
44.0	44.1	

Uncertainty : ± 0.1 dB

6. Level Linearity including the level range control (1 kHz, A, F)

N.A. (UUT is single range)

Remarks : 1. UUT : Unit-Under-Test

2. The uncertainty claimed is for a confidence probability of not less than 95%.

3. Atmospheric Pressure: 1 008 hPa.

4. Microphone model: UC-59, S/N: 07032.

5. Preamplifier model: NH-25, S/N: 43399.

----- END -----



Calibration Certificate

Certificate No. **510407**

Page 1 of 2 Pages

Customer : Enovative Environmental Service Limited

Address : Room 23, 6/F, Block C, Goldfield Industrial Centre, 1 Siu Wo Road, Shatin, N.T.

Order No. : Q53957

Date of receipt : 10-Oct-25

Item Tested

Description : Sound Calibrator

Manufacturer : RION

I.D. : --

Model : NC-74

Serial No. : 34857296

Test Conditions

Date of Test : 23-Oct-25

Supply Voltage : --

Ambient Temperature : $(23 \pm 3)^\circ\text{C}$

Relative Humidity : $(50 \pm 25) \%$

Test Specifications

Calibration check.

The UUT has an indication that it conforms to IEC 60942:2003 Class 1.

Ref. Document/Procedure : F21, Z02, IEC 60942:2003.

Test Results

All results were within the IEC 60942 Class 1 specification.

The results are shown in the attached page(s).

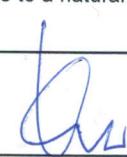
Main Test equipment used:

<u>Equipment No.</u>	<u>Description</u>	<u>Cert. No.</u>	<u>Traceable to</u>
S014	Spectrum Analyzer	503860	NIM-PRC & SCL-HKSAR
S240	Sound Level Calibrator	503856	NIM-PRC & SCL-HKSAR
S041	Universal Counter	501631	SCL-HKSAR
S206	Sound Level Meter	503857	SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI), or by reference to a natural constant. The test results apply to the above Unit-Under-Test only

Calibrated by : 
Elva Chong

Approved by : 
Kin Wong

This Certificate is issued by:
Hong Kong Calibration Ltd.
Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street, Kwai Chung, NT, Hong Kong.
Tel: 2425 8801 Fax: 2425 8646

Date: 23-Oct-25



Calibration Certificate

Certificate No. 510407

Page 2 of 2 Pages

Results :

1. Generated Sound Pressure Level

UUT Nominal Value (dB)	Measured Value (dB)	IEC 60942 Class 1 Spec.
94.0	94.0	± 0.4 dB

Uncertainty : ± 0.2 dB

2. Short-term Level Fluctuation : 0.0 dB

IEC 60942 Class 1 Spec. : ± 0.1 dB

Uncertainty : ± 0.05 dB

3. Frequency

UUT Nominal Value (kHz)	Measured Value (kHz)	IEC 60942 Class 1 Spec.
1	1.002	± 1 %

Uncertainty : $\pm 3.6 \times 10^{-6}$

4. Total Distortion + Noise : < 1.2 %

IEC 60942 Class 1 Spec. : < 3.0 %

Uncertainty : ± 2.3 % of reading

Remark : 1. UUT : Unit-Under-Test

2. The uncertainty claimed is for a confidence probability of not less than 95%.

3. Atmospheric Pressure : 1 008 hPa.

----- END -----

Certificate of Calibration

Calibration Certification Information			
Cal. Date: December 2, 2024	Rootsmeter S/N: 438320	Ta: 293	°K
Operator: Jim Tisch		Pa: 757.4	mm Hg
Calibration Model #: TE-5025A	Calibrator S/N: 2454		

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4200	3.2	2.00
2	3	4	1	1.0170	6.4	4.00
3	5	6	1	0.9090	7.9	5.00
4	7	8	1	0.8700	8.8	5.50
5	9	10	1	0.7140	12.8	8.00

Data Tabulation					
Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)}$ (y-axis)
1.0093	0.7108	1.4238	0.9958	0.7013	0.8796
1.0051	0.9883	2.0136	0.9916	0.9750	1.2439
1.0031	1.1035	2.2512	0.9896	1.0886	1.3907
1.0018	1.1515	2.3611	0.9884	1.1361	1.4586
0.9965	1.3956	2.8476	0.9831	1.3769	1.7592
QSTD	m=	2.08315	QA	m=	1.30443
	b=	-0.04938		b=	-0.03050
	r=	0.99985		r=	0.99985

Calculations			
Vstd=	$\Delta Vol \left(\frac{Pa - \Delta P}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)$	Va=	$\Delta Vol \left(\frac{Pa - \Delta P}{Pa} \right)$
Qstd=	Vstd/ΔTime	Qa=	Va/ΔTime
For subsequent flow rate calculations:			
Qstd=	$1/m \left(\left(\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)} \right) - b \right)$	Qa=	$1/m \left(\left(\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)} \right) - b \right)$

Standard Conditions	
Tstd:	298.15 °K
Pstd:	760 mm Hg
Key	
ΔH: calibrator manometer reading (in H2O)	
ΔP: rootsmeter manometer reading (mm Hg)	
Ta: actual absolute temperature (°K)	
Pa: actual barometric pressure (mm Hg)	
b: intercept	
m: slope	

RECALIBRATION
US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30



Certificate of Calibration

Calibration Certification Information			
Cal. Date: December 16, 2024	Rootsmeter S/N: 438320	Ta: 293	°K
Operator: Jim Tisch		Pa: 749.0	mm Hg
Calibration Model #: TE-5025A	Calibrator S/N: 4064		

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4600	3.2	2.00
2	3	4	1	1.0300	6.4	4.00
3	5	6	1	0.9220	8.0	5.00
4	7	8	1	0.8770	8.8	5.50
5	9	10	1	0.7250	12.8	8.00

Data Tabulation					
Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)}$ (y-axis)
0.9981	0.6836	1.4159	0.9957	0.6820	0.8845
0.9938	0.9649	2.0024	0.9915	0.9626	1.2509
0.9917	1.0756	2.2388	0.9893	1.0730	1.3985
0.9906	1.1296	2.3480	0.9883	1.1269	1.4668
0.9853	1.3590	2.8318	0.9829	1.3557	1.7690
QSTD	m=	2.09671	QA	m=	1.31292
	b=	-0.01852		b=	-0.01157
	r=	0.99999		r=	0.99999

Calculations			
Vstd=	$\Delta Vol \left(\frac{Pa - \Delta P}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)$	Va=	$\Delta Vol \left(\frac{Pa - \Delta P}{Pa} \right)$
Qstd=	Vstd/ΔTime	Qa=	Va/ΔTime
For subsequent flow rate calculations:			
Qstd=	$1/m \left(\left(\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)} \right) - b \right)$	Qa=	$1/m \left(\left(\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)} \right) - b \right)$

Standard Conditions	
Tstd:	298.15 °K
Pstd:	760 mm Hg
Key	
ΔH: calibrator manometer reading (in H2O)	
ΔP: rootsmeter manometer reading (mm Hg)	
Ta: actual absolute temperature (°K)	
Pa: actual barometric pressure (mm Hg)	
b: intercept	
m: slope	

RECALIBRATION
US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30



REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: MR WS CHAN
CLIENT: AECOM ASIA COMPANY LIMITED
ADDRESS: 13/F, TOWER 2, GRAND CENTRAL PLAZA,
138 SHATIN RURAL COMMITTEE ROAD,
SHATIN, HONG KONG

WORK ORDER: HK2541769
SUB-BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 30-Sep-2025
DATE OF ISSUE: 08-Oct-2025

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type: Multifunctional Meter

Service Nature: Performance Check

Scope: Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature

Brand Name/ Model No.: [YSI]/ [6820 V2]

Serial No./ Equipment No.: [00H1019]/ [W.026.09]

Date of Calibration: 30-September-2025

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

This report shall not be reproduced except in full without the written approval of the laboratory.

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2541769
SUB-BATCH: 0
DATE OF ISSUE: 08-Oct-2025
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [00H1019]/ [W.026.09]
Date of Calibration: 30-September-2025 Date of Next Calibration: 30-December-2025

PARAMETERS:

Conductivity

Method Ref: APHA (23rd edition), 2510B

Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)
146.9	138	-6.1
6667	6892	+3.4
12890	13451	+4.4
58670	59249	+1.0
	Tolerance Limit (%)	± 10.0

Dissolved Oxygen

Method Ref: APHA (23rd edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.23	2.31	+0.08
4.99	5.16	+0.17
7.67	7.51	-0.16
	Tolerance Limit (mg/L)	± 0.20

pH Value

Method Ref: APHA (23rd edition), 4500H: B

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.97	-0.03
7.0	6.94	-0.06
10.0	9.97	-0.03
	Tolerance Limit (pH unit)	± 0.20

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.


Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2541769
SUB-BATCH: 0
DATE OF ISSUE: 08-Oct-2025
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [00H1019]/ [W.026.09]
Date of Calibration: 30-September-2025 Date of Next Calibration: 30-December-2025

PARAMETERS:

Turbidity

Method Ref: APHA (23rd edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.1	--
4	4.3	+7.5
10	9.8	-2.0
20	19.3	-3.5
50	48.6	-2.8
100	98.1	-1.9
	Tolerance Limit (%)	±10.0

Salinity

Method Ref: APHA (23rd edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	10.10	+1.0
20	19.71	-1.5
30	31.50	+5.0
	Tolerance Limit (%)	±10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2541769
SUB-BATCH: 0
DATE OF ISSUE: 08-Oct-2025
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [00H1019]/ [W.026.09]
Date of Calibration: 30-September-2025 Date of Next Calibration: 30-December-2025

PARAMETERS:

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
9.5	9.78	+0.3
18.5	19.07	+0.6
38.0	38.34	+0.3
	Tolerance Limit (°C)	±2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics



REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: MR WS CHAN
CLIENT: AECOM ASIA COMPANY LIMITED
ADDRESS: 13/F, TOWER 2, GRAND CENTRAL PLAZA,
138 SHATIN RURAL COMMITTEE ROAD,
SHATIN, HONG KONG

WORK ORDER: HK2535460
SUB-BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 19-Aug-2025
DATE OF ISSUE: 25-Aug-2025

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type: Multifunctional Meter

Service Nature: Performance Check

Scope: Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature

Brand Name/ Model No.: [YSI]/ [ProDSS]

Serial No./ Equipment No.: [22J104777/22H104506]/ [W.026.37]

Date of Calibration: 19-August-2025

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

This report shall not be reproduced except in full without the written approval of the laboratory.

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2535460
SUB-BATCH: 0
DATE OF ISSUE: 25-Aug-2025
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [ProDSS]
Serial No./ Equipment No.: [22J104777/22H104506]/ [W.026.37]
Date of Calibration: 19-August-2025 Date of Next Calibration: 19-November-2025

PARAMETERS:

Conductivity

Method Ref: APHA (23rd edition), 2510B

Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)
146.9	133.3	-9.3
6667	6559	-1.6
12890	12526	-2.8
58670	58241	-0.7
	Tolerance Limit (%)	± 10.0

Dissolved Oxygen

Method Ref: APHA (23rd edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
1.95	2.02	+0.07
4.31	4.37	+0.06
6.64	6.68	+0.04
	Tolerance Limit (mg/L)	± 0.20

pH Value

Method Ref: APHA (23rd edition), 4500H: B

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	4.15	+0.15
7.0	6.91	-0.09
10.0	10.01	+0.01
	Tolerance Limit (pH unit)	± 0.20

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2535460
SUB-BATCH: 0
DATE OF ISSUE: 25-Aug-2025
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [ProDSS]
Serial No./ Equipment No.: [22J104777/22H104506]/ [W.026.37]
Date of Calibration: 19-August-2025 Date of Next Calibration: 19-November-2025

PARAMETERS:

Turbidity

Method Ref: APHA (23rd edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.09	--
4	3.95	-1.3
10	10.14	+1.4
20	20.68	+3.4
50	48.22	-3.6
100	98.59	-1.4
	Tolerance Limit (%)	±10.0

Salinity

Method Ref: APHA (23rd edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	10.47	+4.7
20	20.81	+4.0
30	31.87	+6.2
	Tolerance Limit (%)	±10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2535460
SUB-BATCH: 0
DATE OF ISSUE: 25-Aug-2025
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [ProDSS]
Serial No./ Equipment No.: [22J104777/22H104506]/ [W.026.37]
Date of Calibration: 19-August-2025 Date of Next Calibration: 19-November-2025

PARAMETERS:

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
10.0	9.6	-0.4
19.5	19.0	-0.5
39.5	39.3	-0.2
	Tolerance Limit (°C)	±2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics



REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: MR WS CHAN
CLIENT: AECOM ASIA COMPANY LIMITED
ADDRESS: 13/F, TOWER 2, GRAND CENTRAL PLAZA,
138 SHATIN RURAL COMMITTEE ROAD,
SHATIN, HONG KONG

WORK ORDER: HK2548707
SUB-BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 11-Nov-2025
DATE OF ISSUE: 18-Nov-2025

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type: Multifunctional Meter

Service Nature: Performance Check

Scope: Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature

Brand Name/ Model No.: [YSI]/ [ProDSS]

Serial No./ Equipment No.: [22J104777/22H104506]/ [W.026.37]

Date of Calibration: 11-November-2025

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

This report shall not be reproduced except in full without the written approval of the laboratory.

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2548707
SUB-BATCH: 0
DATE OF ISSUE: 18-Nov-2025
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [ProDSS]
Serial No./ Equipment No.: [22J104777/22H104506]/ [W.026.37]
Date of Calibration: 11-November-2025 Date of Next Calibration: 11-February-2026

PARAMETERS:

Conductivity

Method Ref: APHA (23rd edition), 2510B

Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)
146.9	140.2	-4.6
6667	6435	-3.5
12890	12240	-5.0
58670	58166	-0.9
	Tolerance Limit (%)	± 10.0

Dissolved Oxygen

Method Ref: APHA (23rd edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.67	2.55	-0.12
4.42	4.36	-0.06
6.63	6.54	-0.09
	Tolerance Limit (mg/L)	± 0.20

pH Value

Method Ref: APHA (23rd edition), 4500H: B

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	4.00	+0.00
7.0	7.07	+0.07
10.0	10.02	+0.02
	Tolerance Limit (pH unit)	± 0.20

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2548707
SUB-BATCH: 0
DATE OF ISSUE: 18-Nov-2025
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [ProDSS]
Serial No./ Equipment No.: [22J104777/22H104506]/ [W.026.37]
Date of Calibration: 11-November-2025 Date of Next Calibration: 11-February-2026

PARAMETERS:

Turbidity

Method Ref: APHA (23rd edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.02	--
4	4.13	+3.3
10	10.21	+2.1
20	20.28	+1.4
50	48.87	-2.3
100	97.29	-2.7
	Tolerance Limit (%)	±10.0

Salinity

Method Ref: APHA (23rd edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	10.21	+2.1
20	20.17	+0.9
30	29.59	-1.4
	Tolerance Limit (%)	±10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2548707
SUB-BATCH: 0
DATE OF ISSUE: 18-Nov-2025
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [ProDSS]
Serial No./ Equipment No.: [22J104777/22H104506]/ [W.026.37]
Date of Calibration: 11-November-2025 Date of Next Calibration: 11-February-2026

PARAMETERS:

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
9.5	9.9	+0.4
19.5	20.1	+0.6
38.0	37.9	-0.1
	Tolerance Limit (°C)	±2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics