

# Air Quality Monitoring Equipment

## Certification of Calibration

### Information of Unit-under-test (UUT)

Date of Calibration:	<b>15-Feb-26</b>	Next Calibration Date:	<b>15-Feb-27</b>
UUT Manufacturer:	SIBATA Scientific Technology Ltd	UUT Model No.:	LD-5R
UUT Serial No.:	882106	Report Reference No.:	RPT-25-HVS-018-26
Calibration Location:	W-A6, Man Cheong Building		

### Information of Reference Equipment

Reference Equipment Manufacturer:	Tisch Environmental	Tisch Environmental
Reference Equipment Model No.:	TE-5170X	TE-5025A
Reference Equipment Serial No.:	1050	4166
Last Calibration Date:	4-Feb-26	8-May-25
Next Calibration Date:	18-Feb-26	8-May-26

### Calibration of 1-Hour TSP Result

Calibration Point	Results from UUT	Results from Standard Equipment
	Mass Concentration ( $\mu\text{g}/\text{m}^3$ ) X-axis	Reference Concentration ( $\mu\text{g}/\text{m}^3$ ) Y-axis
1	68	83
2	52	65
3	48	55
4	51	60
5	35	37
6	15	17
Average	45	53

### Linear Regression of Y on X

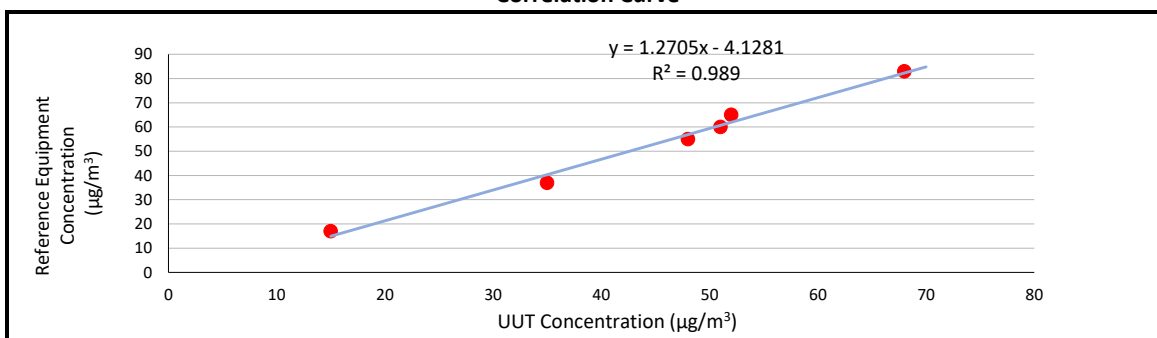
Slope, mv: <b><u>1.2705</u></b>	Intercept: <b><u>-4.1281</u></b>	*Correlation Coefficient: <b><u>0.9945</u></b>
Verification Test Result: Strong Correlation, Results were accepted.		

\* If the Correlation Coefficient < 0.90, check and recalibrate.

### Set Calibration Factor

Particulate Concentration by Reference Equipment ( $\mu\text{g}/\text{m}^3$ ):	53
Particulate Concentration by UUT ( $\mu\text{g}/\text{m}^3$ ):	45
Measuring Time, (min):	60
K Factor = High Volume Sampler / UUT, ( $\mu\text{g}/\text{m}^3$ ):	<u>1.18</u>

### Correlation Curve



Operated By: Andy Li  
Project Technician,  
Environmental

Signature: 

Date: 25-02-2026

## Certification of Calibration

### Information of Unit-under-test (UUT)

Date of Calibration:	<b>15-Feb-26</b>	Next Calibration Date:	<b>15-Feb-27</b>
UUT Manufacturer:	SIBATA Scientific Technology Ltd	UUT Model No.:	LD-5R
UUT Serial No.:	882109	Report Reference No.:	RPT-25-HVS-019-26
Calibration Location:	W-A6, Man Cheong Building		

### Information of Reference Equipment

Reference Equipment Manufacturer:	Tisch Environmental	Tisch Environmental
Reference Equipment Model No.:	TE-5170X	TE-5025A
Reference Equipment Serial No.:	1050	4166
Last Calibration Date:	4-Feb-26	8-May-25
Next Calibration Date:	18-Feb-26	8-May-26

### Calibration of 1-Hour TSP Result

Calibration Point	Results from UUT	Results from Standard Equipment
	Mass Concentration ( $\mu\text{g}/\text{m}^3$ ) X-axis	Reference Concentration ( $\mu\text{g}/\text{m}^3$ ) Y-axis
1	71	83
2	64	65
3	54	55
4	58	60
5	26	37
6	16	17
Average	48	53

### Linear Regression of Y on X

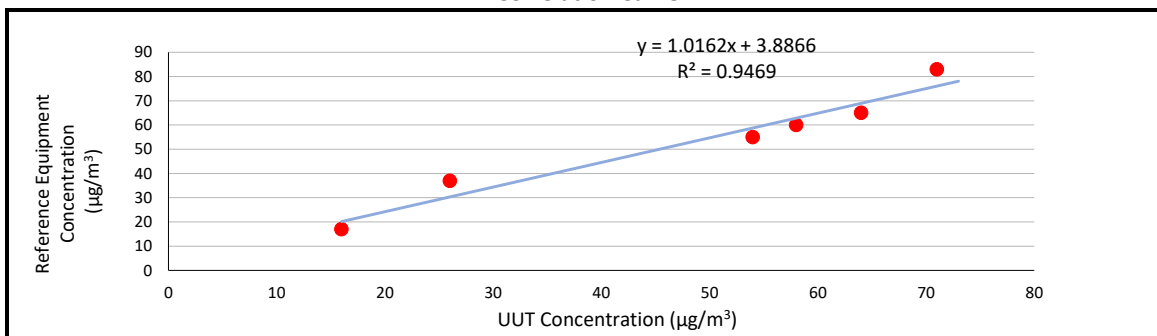
Slope, mv: <b>1.0162</b>	Intercept: <b>3.8866</b>	*Correlation Coefficient: <b>0.9731</b>
Verification Test Result: Strong Correlation, Results were accepted.		

\* If the Correlation Coefficient < 0.90, check and recalibrate.

### Set Calibration Factor

Particulate Concentration by Reference Equipment ( $\mu\text{g}/\text{m}^3$ ):	53
Particulate Concentration by UUT ( $\mu\text{g}/\text{m}^3$ ):	48
Measuring Time, (min):	60
K Factor = High Volume Sampler / UUT, ( $\mu\text{g}/\text{m}^3$ ):	<u>1.10</u>

### Correlation Curve



Operated By: Andy Li  
 Project Technician,  
 Environmental

Signature: 

Date: 25-02-2026

## Certification of Calibration

### Information of Unit-under-test (UUT)

Date of Calibration:	<b>15-Feb-26</b>	Next Calibration Date:	<b>15-Feb-27</b>
UUT Manufacturer:	SIBATA Scientific Technology Ltd	UUT Model No.:	LD-5R
UUT Serial No.:	851819	Report Reference No.:	RPT-25-HVS-022-26
Calibration Location:	W-A6, Man Cheong Building		

### Information of Reference Equipment

Reference Equipment Manufacturer:	Tisch Environmental	Tisch Environmental
Reference Equipment Model No.:	TE-5170X	TE-5025A
Reference Equipment Serial No.:	1050	4166
Last Calibration Date:	4-Feb-26	8-May-25
Next Calibration Date:	18-Feb-26	8-May-26

### Calibration of 1-Hour TSP Result

Calibration Point	Results from UUT	Results from Standard Equipment
	Mass Concentration ( $\mu\text{g}/\text{m}^3$ ) X-axis	Reference Concentration ( $\mu\text{g}/\text{m}^3$ ) Y-axis
1	75	83
2	48	65
3	39	55
4	43	60
5	30	37
6	11	17
Average	41	53

### Linear Regression of Y on X

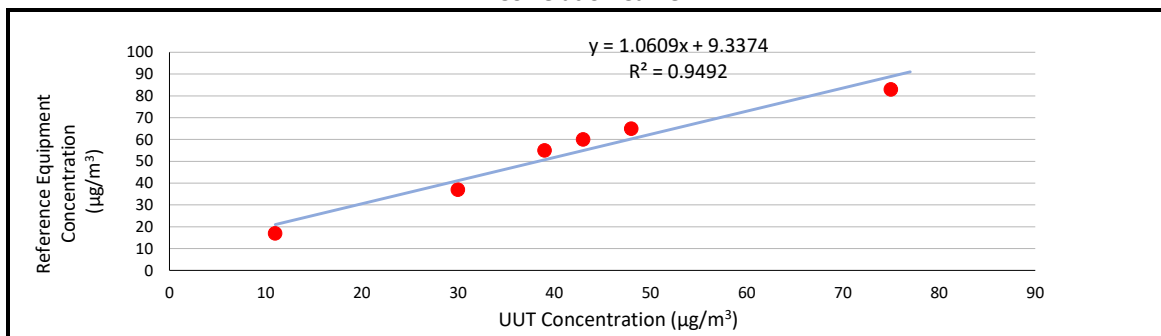
Slope, mv: <b>1.0609</b>	Intercept: <b>9.3374</b>	*Correlation Coefficient: <b>0.9743</b>
Verification Test Result: Strong Correlation, Results were accepted.		

\* If the Correlation Coefficient < 0.90, check and recalibrate.

### Set Calibration Factor

Particulate Concentration by Reference Equipment ( $\mu\text{g}/\text{m}^3$ ):	53
Particulate Concentration by UUT ( $\mu\text{g}/\text{m}^3$ ):	41
Measuring Time, (min):	60
K Factor = High Volume Sampler / UUT, ( $\mu\text{g}/\text{m}^3$ ):	<u>1.29</u>

### Correlation Curve



Operated By: Andy Li  
 Project Technician,  
 Environmental

Signature: 

Date: 25-02-2026

# Noise Quality Monitoring Equipment



# Certificate of Calibration

for

**Description:** *Sound Level Meter*  
**Manufacturer:** *Lutron*  
**Type No.:** *SL-4033SD (Serial No.: I. 491835)*

**Submitted by:**

**Customer:** *Aurecon Hong Kong Limited*  
**Address:** *Unit 1608, 16/F, Tower B, Manulife Financial Centre,  
223-231 Wai Yip Street,  
Kwun Tong, Kowloon, Hong Kong*

**Upon receipt for calibration, the instrument was found to be:**

- Within (31.5Hz – 2kHz)**
- Outside**

**the allowable tolerance.**

The test equipment used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

**Date of receipt: 6 August 2025**

**Date of calibration: 7 August 2025**

**Date of NEXT calibration: 6 August 2026**

**Calibrated by:**   
*Calibration Technician*

**Certified by:**   
*Mr. Ng Yan Wa  
Laboratory Manager*

**Date of issue: 7 August 2025**

**Certificate No.: APJ25-046-CC003**



**1. Calibration Precaution:**

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

**2. Calibration Conditions:**

Air Temperature: 25.8 °C  
 Air Pressure: 1006 hPa  
 Relative Humidity: 58.9 %

**3. Calibration Equipment:**

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

**4. Calibration Results**

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.0	±0.3
			114		113.8	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

## Frequency Response

## A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA	SPL	94	31.5	55.4	-39.4 ±2.0
				63	68.4	-26.2 ±1.5
				125	78.2	-16.1 ±1.5
				250	85.6	-8.6 ±1.4
				500	91.0	-3.2 ±1.4
				1000	94.0	Ref
				2000	94.5	+1.2 ±1.6

## C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBC	SPL	94	31.5	92.1	-3.0 ±2.0
				63	94.5	-0.8 ±1.5
				125	95.2	-0.2 ±1.5
				250	95.2	-0.0 ±1.4
				500	94.7	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.5	-0.2 ±1.6

**5. Calibration Results Applied**

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.05
	63 Hz	± 0.10
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow 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 calibration. (A+A)\*L shall not be liable for any loss or damage resulting from the use of the equipment.

Certificate No.: APJ25-046-CC003



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# Certificate of Calibration

for

**Description:** *Sound Level Meter*  
**Manufacturer:** *Lutron*  
**Type No.:** *SL-4033SD (Serial No.: I.571098)*

**Submitted by:**

**Customer:** *Aurecon Hong Kong Limited*  
**Address:** *Unit 1608, 16/F, Tower B, Manulife Financial Centre,  
223-231 Wai Yip Street, Kwun Tong,  
Kowloon, Hong Kong*

Upon receipt for calibration, the instrument was found to be:

- Within (31.5Hz – 4kHz)
- Outside

the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

**Date of receipt:** 6 August 2025

**Date of calibration:** 7 August 2025

**Date of NEXT calibration:** 6 August 2026

Calibrated by:   
Calibration Technician

Certified by:   
Mr. Ng Yan Wa  
Laboratory Manager

**Date of issue:** 7 August 2025

Certificate No.: APJ25-046-CC004





### 1. Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

### 2. Calibration Conditions:

Air Temperature: 25.8 °C  
 Air Pressure: 1006 hPa  
 Relative Humidity: 58.9 %

### 3. Calibration Equipment:

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

### 4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.0	±0.3
			114		113.8	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

Certificate No.: APJ25-046-CC004



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## Frequency Response

## A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB	
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz			
30-130	dBA	SPL	Fast	94	31.5	53.5	-39.4 ±2.0
					63	67.2	-26.2 ±1.5
					125	77.7	-16.1 ±1.5
					250	85.5	-8.6 ±1.4
					500	90.9	-3.2 ±1.4
					1000	94.0	Ref
					2000	95.0	+1.2 ±1.6
					4000	93.7	+1.0 ±1.6

## C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB	
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz			
30-130	dBC	SPL	Fast	94	31.5	92.1	-3.0 ±2.0
					63	94.5	-0.8 ±1.5
					125	95.2	-0.2 ±1.5
					250	95.2	-0.0 ±1.4
					500	94.7	-0.0 ±1.4
					1000	94.0	Ref
					2000	93.5	-0.2 ±1.6
					4000	91.7	-0.8 ±1.6





## 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.05
	125 Hz	± 0.05
	250 Hz	± 0.10
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

### Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow 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 calibration. (A+A)\*L shall not be liable for any loss or damage resulting from the use of the equipment.





# Certificate of Calibration

*for*

**Description:** *Sound Level Meter*  
**Manufacturer:** *Lutron*  
**Type No.:** *SL-4033SD (Serial No.: I.518013)*

**Submitted by:**

**Customer:** *Aurecon Hong Kong Limited*  
**Address:** *Unit 1608, 16/F, Tower B, Manulife Financial Centre,  
223-231 Wai Yip Street,  
Kwun Tong, Kowloon, Hong Kong*

Upon receipt for calibration, the instrument was found to be:

- Within (31.5 Hz to 4k Hz)**  
 **Outside**

**the allowable tolerance.**

The test equipment used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

**Date of receipt:** 11 September 2025

**Date of calibration:** 12 September 2025

**Date of NEXT calibration:** 11 September 2026

**Calibrated by:**   
*Calibration Technician*

**Certified by:**   
*Mr. Ng Yan Wa*  
*Laboratory Manager*

**Date of issue:** 12 September 2025

**Certificate No.:** APJ25-046-CC007



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**1. Calibration Precaution:**

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

**2. Calibration Conditions:**

Air Temperature: 24.7 °C  
 Air Pressure: 1006 hPa  
 Relative Humidity: 62.6 %

**3. Calibration Equipment:**

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

**4. Calibration Results**

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.0	±0.3
			114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

Certificate No.: APJ25-046-CC007



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Frequency Response

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA	SPL	94	31.5	54.1	-39.4±2.0
				63	67.6	-26.2±1.5
				125	77.6	-16.1±1.5
				250	85.2	-8.6±1.4
				500	90.8	-3.2±1.4
				1000	94.0	Ref
				2000	94.7	+1.2±1.6
				4000	93.5	+1.0±1.6

### 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.05
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.10
	1000 Hz	± 0.05
	2000 Hz	± 0.10
	4000 Hz	± 0.05
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow 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 calibration. (A+A)\*L shall not be liable for any loss or damage resulting from the use of the equipment.

Certificate No.: APJ25-046-CC007



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# Certificate of Calibration

for

**Description:** *Sound Level Calibrator*  
**Manufacturer:** *RION*  
**Type No.:** *NC-75*  
**Serial No.:** *34524163*

**Submitted by:**

**Customer:** *Aurecon Hong Kong Limited*  
**Address:** *Unit 1608, 16/F, Tower B,  
Manulife Financial Centre,  
223-231 Wai Yip Street, Kwun Tong,  
Kowloon, Hong Kong*

Upon receipt for calibration, the instrument was found to be:

- Within**  
 **Outside**

the allowable tolerance.

The test equipments used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

**Date of receipt:** 23 July 2025

**Date of calibration:** 24 July 2025

**Date of NEXT calibration:** 23 July 2026

**Calibrated by:** \_\_\_\_\_  
*Calibration Technician*

**Certified by:** \_\_\_\_\_  
*Mr. Ng Yan Wa  
Laboratory Manager*

**Date of issue:** 24 July 2025

**Certificate No.:** APJ25-045-CC004



Page 1 of 2

**1. Calibration Precautions:**

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

**2. Calibration Specifications:**

Calibration check

**3. Calibration Conditions:**

Air Temperature: 24.6 °C  
Air Pressure: 1006 hPa  
Relative Humidity: 67.2 %

**4. Calibration Equipment:**

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV240109	HOKLAS

**5. Calibration Results**

## 5.1 Sound Pressure Level

Nominal value dB	Accept lower level dB	Accept upper level dB	Measured value dB
94.0	93.6	94.4	93.8

**6. Calibration Results Applied**

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 60942 Class 1.

## Note:

The values given in this certification only related to the values measured at the time of the calibration.

Certificate No.: APJ25-045-CC004



Page 2 of 2

# Certificate of Calibration

for

**Description:** *Sound Level Calibrator*  
**Manufacturer:** *RION*  
**Type No.:** *NC-75*  
**Serial No.:** *34724244*

**Submitted by:**

**Customer:** *Aurecon Hong Kong Limited*  
**Address:** *Unit 1608, 16/F, Tower B,  
Manulife Financial Centre,  
223-231 Wai Yip Street, Kwun Tong,  
Kowloon, Hong Kong*

Upon receipt for calibration, the instrument was found to be:

**Within**

**Outside**

**the allowable tolerance.**

The test equipments used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

**Date of receipt:** 10 July 2025

**Date of calibration:** 11 July 2025

**Date of NEXT calibration:** 10 July 2026

**Calibrated by:** \_\_\_\_\_  
*Calibration Technician*

**Certified by:** \_\_\_\_\_  
*Mr. Ng Yan Wa  
Laboratory Manager*

**Date of issue:** 11 July 2025

**Certificate No.:** APJ25-045-CC001



Page 1 of 2

**1. Calibration Precautions:**

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

**2. Calibration Specifications:**

Calibration check

**3. Calibration Conditions:**

Air Temperature: 24.6 °C  
Air Pressure: 1006 hPa  
Relative Humidity: 57.5 %

**4. Calibration Equipment:**

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV240109	HOKLAS

**5. Calibration Results**

## 5.1 Sound Pressure Level

Nominal value dB	Accept lower level dB	Accept upper level dB	Measured value dB
94.0	93.6	94.4	94.0

Note:

The values given in this certification only related to the values measured at the time of the calibration.



# Certificate of Calibration

*for*

**Description:** *Sound Level Calibrator*  
**Manufacturer:** *RION*  
**Type No.:** *NC-75*  
**Serial No.:** *34724245*

**Submitted by:**

**Customer:** *Aurecon Hong Kong Limited*  
**Address:** *Unit 1608, 16/F, Tower B,  
Manulife Financial Centre,  
223-231 Wai Yip Street, Kwun Tong,  
Kowloon, Hong Kong*

Upon receipt for calibration, the instrument was found to be:

- Within**  
 **Outside**

**the allowable tolerance.**

The test equipments used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

**Date of receipt:** 10 July 2025

**Date of calibration:** 11 July 2025

**Date of NEXT calibration:** 10 July 2026

**Calibrated by:** \_\_\_\_\_  
*Calibration Technician*

**Certified by:** \_\_\_\_\_  
*Mr. Ng Yan Wa*  
**Laboratory Manager**

**Date of issue:** 11 July 2025

**Certificate No.:** APJ25-045-CC003



Page 1 of 2

**1. Calibration Precautions:**

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

**2. Calibration Specifications:**

Calibration check

**3. Calibration Conditions:**

Air Temperature: 24.6 °C  
Air Pressure: 1006 hPa  
Relative Humidity: 57.5 %

**4. Calibration Equipment:**

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV240109	HOKLAS

**5. Calibration Results**

## 5.1 Sound Pressure Level

Nominal value dB	Accept lower level dB	Accept upper level dB	Measured value dB
94.0	93.6	94.4	94.0

Note:

The values given in this certification only related to the values measured at the time of the calibration.

# Water Quality Monitoring Equipment



ALS Technichem (HK) Pty Ltd

11/F., Chung Shun Knitting Centre,

1 - 3 Wing Yip Street,

Kwai Chung, N.T., Hong Kong

T: +852 2610 1044

F: +852 2610 2021

www.alsglobal.com

## REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

**CONTACT:** JOE HO  
**CLIENT:** AURECON HONG KONG LIMITED  
**ADDRESS:** UNIT 1608, 16/F, TOWER B,  
MANULIFE FINANCIAL CENTRE,  
223-231 WAI YIP STREET,  
KWUN TONG, HONG KONG

**WORK ORDER:** HK2617593  
**SUB-BATCH:** 0  
**LABORATORY:** HONG KONG  
**DATE RECEIVED:** 25-Apr-2026  
**DATE OF ISSUE:** 07-May-2026

### 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.: [24G101659]/ [N/A]

Date of Calibration: 05-May-2026

Ms. Cheng Sin Ying, May  
Senior Chemist - Inorganics

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

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**WORK ORDER:** HK2617593  
**SUB-BATCH:** 0  
**DATE OF ISSUE:** 07-May-2026  
**CLIENT:** AURECON HONG KONG LIMITED

Equipment Type: Multifunctional Meter  
Brand Name/ Model No.: [YSI]/ [ProDSS]  
Serial No./ Equipment No.: [24G101659]/ [N/A]  
Date of Calibration: 05-May-2026 Date of Next Calibration: 05-August-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	148.8	+1.3
6667	6629	-0.6
12890	12610	-2.2
58670	54216	-7.6
	Tolerance Limit (%)	$\pm 10.0$

### Dissolved Oxygen

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

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.82	2.92	+0.10
5.54	5.40	-0.14
7.21	7.26	+0.05
	Tolerance Limit (mg/L)	$\pm 0.20$

### pH Value

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

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.85	-0.15
7.0	7.04	+0.04
10.0	10.00	+0.00
	Tolerance Limit (pH unit)	$\pm 0.20$

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

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Equipment Type: Multifunctional Meter  
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Serial No./ Equipment No.: [24G101659]/ [N/A]  
Date of Calibration: 05-May-2026 Date of Next Calibration: 05-August-2026

## PARAMETERS:

### Turbidity

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

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	1.15	--
4	4.31	+7.7
40	41.97	+4.9
80	82.39	+3.0
400	390.19	-2.5
800	770.08	-3.7
	Tolerance Limit (%)	±10.0

### Salinity

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

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.22	-7.8
20	19.38	-3.1
30	29.28	-2.4
	Tolerance Limit (%)	±10.0

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**WORK ORDER:** HK2617593  
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Equipment Type: Multifunctional Meter  
Brand Name/ Model No.: [YSI]/ [ProDSS]  
Serial No./ Equipment No.: [24G101659]/ [N/A]  
Date of Calibration: 05-May-2026 Date of Next Calibration: 05-August-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)
9.0	8.9	-0.1
23.0	22.9	-0.1
42.5	42.6	+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.

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