Contract No. EP/SP/66 Integrated Waste Mana	/12 gement Facilities, Phase 1	Keppel Seghers – Zhen Hua Joint Venture
Appendix E	Noise Monitoring Equipment Certificate	nt Calibration

for

Description:

Sound Level Meter

Manufacturer:

SVANTEK

Type No.:

971 (Serial No.: 96063)

Microphone:

ACO 7052E (Serial No.:79778)

Preamplifier:

SVANTEK SV 18 (Serial No.:97276)

Submitted by:

Customer:

Acuity Sustainability Consulting Limited

Address:

Unit E, 12/F., Ford Glory Plaza,

Nos. 37-39 Wing Hong Street,

Cheung Sha Wan, Kowloon, Hong Kong

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

☑ Within (31.5Hz – 8kHz)

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: 27 July 2023

Date of calibration: 3 August 2023

Date of NEXT calibration: 2 August 2024

Calibrated by:

Calibration Technician

Certified by:

Mr. Ng Yan Wa Laboratory Manager

Date of issue: 3 August 2023

Certificate No.: APJ23-049-CC002



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:

22.6°C

Air Pressure:

1006 hPa

Relative Humidity:

52.9 %

3. Calibration Equipment:

Type

Serial No.

Calibration Report Number

Traceable to

Multifunction Calibrator

B&K 4226

2288467

AV220061

HOKLAS

4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25.0-124.2	dBA	SPL	Fast	94	1000	93.7	±0.4

Linearity

Setting of Unit-under-test (UUT)			App	lied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		93.7	Ref
25.0-124.2	dBA	SPL	Fast	104	1000	103.7	±0.3
				114		113.7	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25.0-124.2	dBA	SPL	Fast	94	1000	93.7	Ref
25.0-124.2	dbA SFL	Slow	94	1000	93.7	±0.3	

Certificate No.: APJ23-049-CC002





Linear Response

Sett	Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. We	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	94.3	±2.0
					63	94.2	±1.5
					125	94.1	±1.5
					250	94.1	±1.4
25.0-124.2	dB	SPL	Fast	94	500	94.0	±1.4
					1000	93.7	Ref
					2000	93.7	±1.6
					4000	95.1	±1.6
					8000	91.4	+2.1; -3.1

A-weighting

Sett	Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	55.0	-39.4 ±2.0
					63	68.1	-26.2 ±1.5
					125	78.1	-16.1 ±1.5
					250	85.4	-8.6 ±1.4
25.0-124.2	dBA	SPL	Fast	94	500	90.7	-3.2 ±1.4
					1000	93.7	Ref
					2000	94.9	+1.2 ±1.6
					4000	96.2	+1.0±1.6
					8000	90.5	-1.1+2.1; -3.1

C-weighting

Sett	Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	91.3	-3.0 ±2.0
					63	93.4	-0.8 ±1.5
					125	94.0	-0.2 ±1.5
					250	94.8	-0.0 ±1.4
25.0-124.2	dBC	SPL	Fast	94	500	94.0	-0.0 ±1.4
					1000	93.7	Ref
					2000	93.5	-0.2 ±1.6
					4000	94.4	-0.8 ±1.6
					8000	88.6	-3.0 +2.1: -3.1

Certificate No.: APJ23-049-CC002



Page 3 of 4



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
	8000 Hz	± 0.10
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.

AR TESTING LABORATOR AS (A+A) *L

Page 4 of 4

for

Description:

Sound Level Meter

Manufacturer:

SVANTEK

Type No.:

SVAN 971 (Serial No.:C119577)

Microphone:

ACO 7052E (Serial No.: 78090)

Preamplifier:

SVANTEK SV-18 (Serial No.:103808)

Submitted by:

Customer:

Acuity Sustainability Consulting Limited

Address:

Unit E, 12/F, Ford Glory Plaza,

Nos. 37-39 Wing Hong Street,

Cheung Sha Wan, Kowloon, Hong Kong

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

☑ Within (31.5Hz – 8kHz)

☐ 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: 19 October 2023

Date of calibration: 27 October 2023

Date of NEXT calibration: 26 October 2024

Calibrated by:_____

Calibration Technician

Certified by:

Mr. Ng Yan Wa aboratory Manager

Date of issue: 27 October 2023

Certificate No.: APJ23-091-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:

24.5 °C

Air Pressure:

1013 **hPa**

Relative Humidity:

65.2 %

3. Calibration Equipment:

Type

Serial No.

Calibration Report Number

Traceable to

Multifunction Calibrator

B&K 4226

2288467

AV220061

HOKLAS

4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25-124.9	dBA	SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.0	Ref
25-124.9	dBA	SPL	Fast	104	1000	104.0	±0.3
				114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25-124.9	dBA	SPL	Fast	94	1000	94.0	Ref
23-124.9	UDA	SPL	Slow	94	1000	94.0	±0.3

Certificate No.: APJ23-091-CC004

MAR TESTING LASCOPTION (A+A) *L



Linear Response

Set	Setting of Unit-under-test (UUT)			Applied value		IEC 61672 Class
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				31.5	94.3	±2.0
			= -	63	94.2	±1.5
				125	94.1	±1.5
				250	94.1	±1.4
25-124.9	dB SPL	SPL Fast 94 500 1000 2000	94	500	94.1	±1.4
				1000	94.0	Ref
			2000	93.9	±1.6	
				4000	93.4	±1.6
				8000	91.0	+2.1; -3.1

A-weighting

Set	ting of Unit-under-t	est (UUT)	Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				31.5	55.0	-39.4 ±2.0
				63	68.1	-26.2 ±1.5
			-	125	78.0	-16.1 ±1.5
				250	85.4	-8.6 ±1.4
25-124.9	dBA SPL	Fast	94	500	90.8	-3.2 ±1.4
				1000	94.0	Ref
				2000	95.0	+1.2 ±1.6
				4000	94.4	+1.0 ±1.6
				8000	90.0	-1.1 +2.1; -3.1

C-weighting

Se	tting of Unit-under-t	test (UUT)	Applied value		UUT Reading,	IEC 61672 Class
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Level, dB Frequency, Hz		Specification, dB
				31.5	91.3	-3.0 ±2.0
				63	93.4	-0.8 ±1.5
				125	94.0	-0.2 ±1.5
				250	94.1	-0.0 ±1.4
25-124.9	dBC SPL	Fast	94	500	94.1	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.7	-0.2 ±1.6
				4000	92.6	-0.8 ±1.6
				8000	88.1	-3.0 +2.1; -3.1

Certificate No.: APJ23-091-CC004





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	± 0.10
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
	8000 Hz	± 0.10
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.

AHA) *L

Page 4 of 4

for

Description:

Sound Level Meter

Manufacturer:

SVANTEK

Type No.:

SVAN 971 (Serial No.: 103482)

Microphone:

ACO 7052E (Serial No.: 79788)

Preamplifier:

SV-18 (Serial No.: 103880)

Submitted by:

Customer:

Acuity Sustainability Consulting Limited

Address:

Unit E, 12/F, Ford Glory Plaza,

Nos. 37-39 Wing Hong Street,

Cheung Sha Wan, 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: 30 March 2023

Date of calibration: 4 April 2023

Date of NEXT calibration: 3 April 2024

Calibrated by:

Calibration Tacknician

Certified by:

Mr. Ng Yan Wa aboratory Manager

Date of issue: 4 April 2023

Certificate No.: APJ22-158-CC002

Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

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:

21.7°C

Air Pressure:

1003 hPa

Relative Humidity:

64.6 %

3. Calibration Equipment:

Type

Serial No.

Calibration Report Number

Traceable to

Multifunction Calibrator

B&K 4226

2288467

AV220061

HOKLAS

4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
35-138.4	dBA	SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.0	Ref
35-138.4	dBA	SPL	Fast	104	1000	104.0	±0.3
				114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
35-138.4	dBA	SPL	Fast	0.4	1000	94.0	Ref
33-138.4	UDA SEL	Slow	94	1000	94.0	±0.3	

Certificate No.: APJ22-158-CC002





Linear Response

Sett	Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Wo	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
			31.5	94.5	±2.0		
			Fast	94	63	94.4	±1.5
	dB SPL				125	94.3	±1.5
35-138.4		CDI			250	94.3	±1.4
33-136.4		SPL			500	94.2	±1.4
					1000	94.0	Ref
				2000	93.5	±1.6	
					4000	93.1	±1.6

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	55.2	-39.4 ±2.0
				63	68.2	-26.2 ±1.5	
				94	125	78.2	-16.1 ±1.5
35-138.4	dBA	SPL	Fast		250	85.6	-8.6 ±1.4
33-138.4	UDA	SIL			500	91.0	-3.2 ±1.4
					1000	94.0	Ref
				2000	94.7	$+1.2\pm1.6$	
					4000	94.2	$+1.0\pm1.6$

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
			31.5	91.5	-3.0 ±2.0		
					63	93.6	-0.8 ± 1.5
		CDI	Fast	94	125	94.1	-0.2 ±1.5
35-138.4	dBC				250	94.2	-0.0 ± 1.4
33-136.4	ubC	SPL			500	94.2	-0.0 ± 1.4
					1000	94.0	Ref
					2000	93.3	-0.2 ± 1.6
					4000	92.4	-0.8 ±1.6

Certificate No.: APJ22-158-CC002



Page 3 of 4



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.

SONR TESTING LABORATORY OF THE STATE OF THE

Page 4 of 4

for

Description:

Sound Level Meter

Manufacturer:

SVANTEK

Type No.:

SVAN 971 (Serial No.:C132261)

Microphone:

SV 7052E (Serial No.: 79778)

Preamplifier:

SVANTEK SV-18 (Serial No.:97276)

Submitted by:

Customer:

Acuity Sustainability Consulting Limited

Address:

Unit E, 12/F, Ford Glory Plaza,

Nos. 37-39 Wing Hong Street,

Cheung Sha Wan, 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: 19 October 2023

Date of calibration: 27 October 2023

Date of NEXT calibration: 26 October 2024

Calibrated by:

Calibration Technician

Certified by:

Mr. Ng Yan Wa Laboratory Manager

Page 1 of 4

Date of issue: 27 October 2023

Certificate No.: APJ23-091-CC006

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong Tel: (852) 2668 3423 Fax:(852) 2668 6946

Homepage: http://www.aa-lab.com E-mail:inquiry@aa-lab.com

Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

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:

22.6 °C

Air Pressure:

1016 **hPa**

Relative Humidity:

65.3 %

3. Calibration Equipment:

Type

Serial No.

Calibration Report Number

Traceable to

Multifunction Calibrator

B&K 4226

2288467

AV220061

HOKLAS

4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Sett	Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25-124.9	dBA	SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.0	Ref
25-124.9	dBA	SPL	Fast	104	1000	104.0	±0.3
				114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)		Applied value		UUT Reading,	IEC 61672 Class 1		
Range, dB	Freq. W	eighting	Time Weighting	Level, dB Frequency, Hz		dB	Specification, dB
25-124.9	dBA	SPL	Fast	94	1000	94.0	Ref
23-124.9	uDA	SPL	Slow	94	1000	94.0	±0.3

Certificate No.: APJ23-091-CC006

A+A) *L Page 2 of 4

Homepage: http://www.aa-lab.com E-mail: in

E-mail: inquiry@aa-lab.com



Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				31.5	94.4	±2.0
25-124.9 dB SPL	Fast	94	63	94.3	±1.5	
			125	94.2	±1.5	
			250	94.1	±1.4	
			500	94.1	±1.4	
			1000	94.0	Ref	
			2000	93.8	±1.6	
				4000	93.3	±1.6

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Level, dB Frequency, Hz		Specification, dB
					31.5	55.1	-39.4 ±2.0
			63	68.1	-26.2 ±1.5		
			125	78.1	-16.1 ±1.5		
25-124.9	dBA	SPL	Fast	94	250	85.5	-8.6 ±1.4
23-124,9 UDA SFL	r ast	94	500	90.8	-3.2 ±1.4		
			1000	94.0	Ref		
					2000	95.0	+1.2 ±1.6
					4000	94.3	+1.0 ±1.6

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Level, dB Frequency, Hz		Specification, dB
25-124.9 dBC SPL			31.5	91.4	-3.0 ±2.0	
		94	63	93.4	-0.8 ±1.5	
			125	94.0	-0.2 ±1.5	
	Fast		250	94.1	-0.0 ±1.4	
	rast		500	94.1	-0.0 ±1.4	
			1000	94.0	Ref	
	**		2000	93.6	-0.2 ±1.6	
			4000	92.5	-0.8 ±1.6	

Certificate No.: APJ23-091-CC006



Page 3 of 4

Homepage: http://www.aa-lab.com

E-mail: inquiry@aa-lab.com



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	± 0.10
	125 Hz	± 0.05
	250 Hz	± 0.05
	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.

Page 4 of 4

Description:

Sound Level Calibrator

Manufacturer:

RION

Type No.:

NC-75

Serial No.:

35124527

Submitted by:

Customer:

Acuity Sustainability Consulting Limited

Address:

Unit E, 12/F, Ford Glory Plaza,

Nos. 37-39 Wing Hong Street,

Cheung Sha Wan, 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: 19 October 2023

Date of calibration: 27 October 2023

Date of NEXT calibration: 26 October 2024

Calibrated by:

Certified by:

Mr. Ng Yan Wa Laboratory Manager

Date of issue: 27 October 2023

Certificate No.: APJ23-090-CC002



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:	24.4 °C
Air Pressure:	<u>1013</u> hPa
Relative Humidity:	65.4 %

4. Calibration Equipment:

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV220061	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV220120	HOKLAS

5. Calibration Results

5.1 Sound Pressure Level

Nominal value	Accept lower level	Accept upper level	Measured value
dB	dB	dB	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 No.: APJ23-090-CC002

Page 2 of 2

Homenage: http://www.aa-lab.com E-mail: inquirv@aa-lab.com

for

Description:

Sound Level Calibrator

Manufacturer:

RION

Type No.:

NC-75

Serial No.:

34724243

Submitted by:

Customer:

Acuity Sustainability Consulting Limited

Address:

Unit E, 12/F, Ford Glory Plaza,

Nos. 37-39 Wing Hong Street,

Cheung Sha Wan, 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: 27 July 2023

Date of calibration: 3 August 2023

Date of NEXT calibration: 2 August 2024

Calibrated by:

Calibration Technician

Certified by:

Mr. Ng Yan Wa Laboratory Manager

Date of issue: 3 August 2023

Certificate No.: APJ23-049-CC005



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:	22.6 °C
Air Pressure:	1006 hP a
Relative Humidity:	52.9 %

4. Calibration Equipment:

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV220061	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV220120	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 No.: APJ23-049-CC005