



It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler, hereinafter ("HVS")

| Equipment Calibrated: |                     | Standard Equipment:            |                     |
|-----------------------|---------------------|--------------------------------|---------------------|
| Type:                 | Dust Monitor System | Туре:                          | High Volume Sampler |
| Model:                | OC-9200             | Model:                         | TE 5170             |
| Equipment No.:        | A-06-03             | Equipment No.:                 | A-01-75             |
| Serial No.:           | OC20210316224101    | Serial No.:                    | 3499                |
| Sensitivity.:         | 0.001mg/m3          | Tisch Calibration Orifice No.: | 3864                |

| Date of Calibration:            | 21-Aug-25 |
|---------------------------------|-----------|
| Validity of Calibration Record: | 21-Oct-25 |

#### Calibration

| Calibration Points: | Time     | High Volume Sampler                    | Dust Monitor System                    |
|---------------------|----------|--|--|
| Canoration Folias.  | Minutes  | Mass concetration [μg/m <sup>3</sup> ] | Mass concetration [μg/m <sup>3</sup> ] |
|                     | Williacs | y Axis                                 | x Axis                                 |
| 0                   | 60       | 0                                      | 0                                      |
| 1                   | 60       | 215.0                                  | 75.0                                   |
| 2                   | 60       | 130.0                                  | 48.0                                   |
| 3                   | 60       | 94.0                                   | 36.0                                   |
| Average             | 60       | 109.8                                  | 39.8                                   |

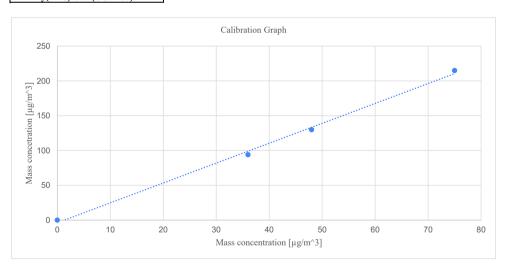
With the aid of the mathematical model of Simple Linear Regression, the following values are calculated as:

| Slope:                   | 2.85695843  | If the correlation coefficient is green (ie larger than 0.90), then no |
|--------------------------|-------------|--|
| Intercept:               | 3 81/100760 | recalibration is required  |
| Correlation Coefficient: |             | recampration is required   |

| Scale factor (K): 2.9 (to one decimal point |
|---|
|---|

#### Equation of line:

#### y(HVS)=3.6x(OC-9200)



In-house method in according to the instruction manual:
The OC-9200 was compared with a calibrated HVS; the result has been used to calculate the scale factor and correlation coefficient between the two equipment.
The filter papers are weighted by HOKLAS laboratory (HPCT Litimed)

| Recorded by:                        | Signature: | Date:     |
|-------------------------------------|------------|-----------|
| Technical Officer (Wong Shing Kwai) | M.         | 21-Aug-25 |
| Checked by:                         | Signature: | Date:     |
| Project Manager (Henry Leung)       | Henry day  | 21-Aug-25 |





It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler, hereinafter ("HVS")

| Equipment Calibrated: |                     | Standard Equipment:            |                     |
|-----------------------|---------------------|--------------------------------|---------------------|
| Туре:                 | Dust Monitor System | Type:                          | High Volume Sampler |
| Model:                | OC-9200             | Model:                         | TE 5170             |
| Equipment No.:        | A-06-03             | Equipment No.:                 | A-01-75             |
| Serial No.:           | OC20210316224101    | Serial No.:                    | 3499                |
| Sensitivity.:         | 0.001mg/m3          | Tisch Calibration Orifice No.: | 3864                |

| Date of Calibration:            | 21-Oct-25 |
|---------------------------------|-----------|
| Validity of Calibration Record: | 21-Dec-25 |

#### Calibration

| Calibration Points: | Time     | High Volume Sampler                    | Dust Monitor System                    |
|---------------------|----------|--|--|
| Canoration Folias.  | Minutes  | Mass concetration [μg/m <sup>3</sup> ] | Mass concetration [μg/m <sup>3</sup> ] |
|                     | Williacs | y Axis                                 | x Axis                                 |
| 0                   | 60       | 0                                      | 0                                      |
| 1                   | 60       | 94.0                                   | 36.0                                   |
| 2                   | 60       | 131.0                                  | 47.0                                   |
| 3                   | 60       | 212.0                                  | 72.0                                   |
| Average             | 60       | 109.3                                  | 38.8                                   |

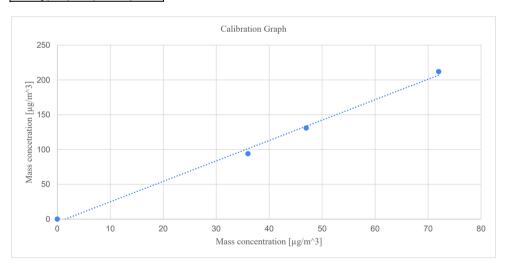
With the aid of the mathematical model of Simple Linear Regression, the following values are calculated as:

| Slope:                   | 2.93402292  | If the correlation coefficient is green (ie larger than 0.90), then no |
|--------------------------|-------------|--|
| Intercept:               | -4.44338831 | recalibration is required  |
| Correlation Coefficient: | 0.99774903  | - recambration is required   |

| Scale factor (K): | <u>2.9</u> | (to one decimal point) |
|-------------------|------------|------------------------|

#### Equation of line:

#### y(HVS)=3.6x(OC-9200)



In-house method in according to the instruction manual:
The OC-9200 was compared with a calibrated HVS; the result has been used to calculate the scale factor and correlation coefficient between the two equipment.
The filter papers are weighted by HOKLAS laboratory (HPCT Litimed)

| Recorded by:                        | Signature: | Date:     |
|-------------------------------------|------------|-----------|
| Technical Officer (Wong Shing Kwai) | M.         | 21-Oct-25 |
| Checked by:                         | Signature: | Date:     |
| Project Manager (Henry Leung)       | Henry day  | 21-Oct-25 |

# **High-Volume TSP Sampler** 5-POINT CALIBRATION DATA SHEET



File No. MA20024/74/0011

| Location.  | M-A3 - S.K.H               | Гsoi Kung Po Se  | condary School                    |                               |                        | _                            |   |
|--|----------------------------|------------------|-----------------------------------|-------------------------------|------------------------|------------------------------|---|
| Date:  | 8-A                        | ug-25            | Next Due Date:                    | 8-Oct-25                      |                        | Operator:                    | SK                                      |
| Equipment No.:   | A-0                        | 1-74             | Model No.:                        | TE                            | E-5170                 | Serial No.                   | 2204                                    |
|  |                            |                  | Ambient C                         | andition                      |                        |                              |   |
| Temperatur   | ra Ta (K)                  | 302.8            | Pressure, Pa                      |                               | Ι                      | 756.6                        |   |
| Temperatu  | ic, 1a (K)                 | 302.6            | Tressure, ra                      | (IIIIIIIIg)                   |                        | 750.0                        |   |
|  |                            | Or               | ifice Transfer Star               | ndard Informa                 | ation                  |                              |   |
| Serial   | No.                        | 3864             | Slope, mc                         | 0.05914                       | Intercept              | t, bc                        | -0.02377                                |
| Last Calibration Date: 7-Jan-25 $\operatorname{mc} \mathbf{x} \operatorname{Qstd} + \mathbf{bc} = \left[\Delta \mathbf{H} \mathbf{x} \left( \mathbf{Pa} / 760 \right) \mathbf{x} \left( 298 / \mathbf{Ta} \right) \right]^{1/2}$ |                            |                  |                                   |                               |                        | 2                            |   |
| Next Calibra   | ation Date:                | 7-Jan-26         |                                   | $Qstd = \{ [\Delta H \ x] \}$ | (Pa/760) x (298/       | Ta)] <sup>1/2</sup> -bc} / m | c                                       |
|  |                            |                  |                                   |                               |                        |                              |   |
|  |                            |                  | Calibration of                    | TSP Sampler                   |                        |                              |   |
| Calibration  | ATT (                      |                  | rfice                             | 0.41 (073.5)                  | AM (IMIC)              | HVS                          | (000/5 >1/2                             |
| Point  | ΔH (orifice), in. of water | [ΔH x (Pa/76     | 50) x (298/Ta)] <sup>1/2</sup>    | Qstd (CFM)<br>X - axis        | ΔW (HVS), in. of water |                              | 50) x (298/Ta)] <sup>1/2</sup><br>-axis |
| 1  | 15.7                       |                  | 3.92                              | 66.72                         | 9.5                    | (                            | 3.05                                    |
| 2  | 12.5                       |                  | 3.50                              | 59.58                         | 8.0                    | ,                            | 2.80                                    |
| 3  | 9.5                        |                  | 3.05                              | 51.99                         | 6.4                    |                              | 2.50                                    |
| 4  | 5.8                        |                  | 2.38                              | 40.71                         | 3.6                    |                              | 1.88                                    |
| 5  | 3.3                        |                  | 1.80                              | 30.81                         | 1.9                    |                              | 1.36                                    |
| By Linear Regr<br>Slope , mw =<br>Correlation of<br>*If Correlation C  | 0.0477<br>coefficient* =   | _                | .9962                             |                               | -0.066                 | 51                           |   |
| From the TSD Fi  | ald Calibration (          | Curve, take Qstd |                                   | ilculation                    |                        |                              |   |
|  |                            | ne "Y" value acc |                                   |                               |                        |                              |   |
| Tom the Regies   | oron Dyuunon, u            |                  |                                   |                               |                        |                              |   |
|  |                            | mw x (           | $Qstd + bw = [\Delta W x]$        | (Pa/760) x (29                | 98/Ta)] <sup>1/2</sup> |                              |   |
| Therefore, Se  | et Point; W = ( m          | nw x Qstd + bw)  | <sup>2</sup> x ( 760 / Pa ) x ( 7 | Γa / 298 ) =                  | 4.03                   |                              |   |
| Remarks:   |                            |                  |                                   |                               |                        |                              |   |
| Conducted by:  | Wong Sl                    | ning Kwai        | Signature:                        | K                             | <u></u>                | Date:                        | 8-Aug-25                                |
| Checked by:  | Henry                      | Leung            | Signature:                        | \-lem                         | y Oran                 | Date:                        | 8-Aug-25                                |

# **High-Volume TSP Sampler** 5-POINT CALIBRATION DATA SHEET



File No. MA20024/74/0012

| Location.  | M-A3 - S.K.H                       | Γsoi Kung Po Se  | condary School               |                             |                        | ,                             |                                    |
|--|------------------------------------|------------------|------------------------------|-----------------------------|------------------------|-------------------------------|------------------------------------|
| Date:  | 8-O                                | ct-25            | Next Due Date:               | 8-Dec-25<br>TE-5170         |                        | Operator:                     | SK                                 |
| Equipment No.:   | A-0                                | 1-74             | Model No.:                   |                             |                        | Serial No.                    | 2204                               |
|  |                                    |                  | Ambient C                    | Condition                   |                        |                               |                                    |
| Temperatur   | re, Ta (K)                         | 303              | Pressure, Pa                 |                             |                        | 759.6                         |                                    |
| _  |                                    |                  | -                            | -                           |                        |                               |                                    |
|  |                                    | Or               | ifice Transfer Sta           | ndard Informa               | ation                  |                               |                                    |
| Serial   | No.                                | 3864             | Slope, mc                    | 0.05914                     | Intercept              |                               | -0.02377                           |
| Last Calibration Date: 7-Jan-25 $ mc \times Qstd + bc = [\Delta H \times (Pa/760) \times (298/Ta)]^{1/2} $ |                                    |                  |                              |                             |                        |                               |                                    |
| Next Calibra   | ation Date:                        | 7-Jan-26         |                              | $Qstd = \{ [\Delta H \ x] $ | (Pa/760) x (298/7      | [a)] <sup>1/2</sup> -bc} / mc |                                    |
|  |                                    |                  |                              |                             |                        |                               |                                    |
|  |                                    |                  | Calibration of               | TSP Sampler                 |                        |                               |                                    |
| Calibration  | ATI (. 'C' )                       |                  | rfice                        | 0.41(055.0)                 | ANI (IRIO) :           | HVS                           | 0) (206/7) \1/2                    |
| Point  | $\Delta$ H (orifice), in. of water | [ΔH x (Pa/76     | $50) \times (298/Ta)]^{1/2}$ | Qstd (CFM) X - axis         | ΔW (HVS), in. of water |                               | 0) x (298/Ta)] <sup>1/2</sup> axis |
| 1  | 15.6                               |                  | 3.92                         | 66.62                       | 9.4                    | 3                             | .04                                |
| 2  | 12.3                               |                  | 3.48                         | 59.20                       | 8.2                    | 2                             | .84                                |
| 3  | 9.4                                |                  | 3.04                         | 51.80                       | 6.5                    | 2                             | .53                                |
| 4  | 5.6                                |                  | 2.35                         | 40.07                       | 3.5                    | 1                             | .85                                |
| 5  | 3.2                                |                  | 1.77                         | 30.39                       | 1.7                    | 1                             | .29                                |
| By Linear Regr<br>Slope , mw =<br>Correlation o  | 0.0495<br>coefficient* =           |                  | .9923<br>calibrate.          | -                           | -0.143                 | 0                             |                                    |
| T TOP D  | 11.0.17                            |                  | Set Point Ca                 | alculation                  |                        |                               |                                    |
| From the TSP Fig.  | sion Equation, tl                  | mw x (           |                              | `                           | , <u>-</u>             |                               |                                    |
| 1110101010, 30   | a romi, w – ( II                   | iw a Qsiu + uw ) | x ( /00 / Fa ) X (           | 1a / 230 J -                | 4.00                   |                               |                                    |
| Remarks:   |                                    |                  |                              |                             |                        |                               |                                    |
| Conducted by:  | Wong Sl                            | ning Kwai        | Signature:                   |                             | <u></u>                | Date:                         | 8-Oct-25                           |
| Checked by:  | Henry                              | Leung            | Signature:                   | -lem                        | y day                  | Date:                         | 8-Oct-25                           |





# RECALIBRATION DUE DATE:

January 7, 2026

# Certificate of Calibration

**Calibration Certification Information** 

Cal. Date: January 7, 2025 Rootsmeter S/N: 438320 Ta: 293 °K

Operator: Jim Tisch Pa: 759.0 mm Hg

Calibration Model #: TE-5025A Calibrator S/N: 3864

| Run | Vol. Init<br>(m3) | Vol. Final<br>(m3) | ΔVol.<br>(m3) | ΔTime<br>(min) | ΔP<br>(mm Hg) | ΔH<br>(in H2O) |
|-----|-------------------|--------------------|---------------|----------------|---------------|----------------|
| 1   | 1                 | 2                  | 1             | 1.4590         | 3.2           | 2.00           |
| 2   | 3                 | 4                  | 1             | 1.0360         | 6.4           | 4.00           |
| 3   | 5                 | 6                  | 1             | 0.9160         | 8.0           | 5.00           |
| 4   | 7                 | 8                  | 1             | 0.8800         | 8.8           | 5.50           |
| 5   | 9                 | 10                 | 1             | 0.7270         | 12.7          | 8.00           |

|        | Data Tabulation |   |        |          |            |
|--------|-----------------|---|--------|----------|------------|
| Vstd   | Qstd            | $\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right) \left(\frac{Tstd}{Ta}\right)}$ |        | Qa       | √∆H(Ta/Pa) |
| (m3)   | (x-axis)        | (y-axis)  | Va     | (x-axis) | (y-axis)   |
| 1.0114 | 0.6932          | 1.4252  | 0.9958 | 0.6825   | 0.8787     |
| 1.0071 | 0.9721          | 2.0156  | 0.9916 | 0.9571   | 1.2427     |
| 1.0050 | 1.0971          | 2.2535  | 0.9895 | 1.0802   | 1.3893     |
| 1.0039 | 1.1408          | 2.3635  | 0.9884 | 1.1232   | 1.4572     |
| 0.9987 | 1.3737          | 2.8505  | 0.9833 | 1.3525   | 1.7574     |
|        | m=              | 2.08969   |        | m=       | 1.30853    |
| QSTD   | b=              | -0.02374  | QA     | b=       | -0.01464   |
|        | r=              | 0.99985   |        | r=       | 0.99985    |

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

|   | 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

FAX: (513)467-9009



#### **Certificate of Calibration - Wind Monitoring Station**

Description: M-A3 - S.K.H Tsoi Kung Po Secondary School

Model No.: <u>C-OC-9200-wind</u>

Serial No.: <u>OC20210316224101</u>

Equipment No.: A-06-03

Date of Calibration <u>20-Jun-2025</u>

Next Due Date <u>20-Dec-2025</u>

#### 1. Performance check of Wind Speed

| Wind Sp                 | peed, m/s             | Difference D (m/s) |
|-------------------------|-----------------------|--------------------|
| Wind Speed Reading (V1) | Anemometer Value (V2) | D = V1 - V2        |
| 0.0                     | 0.0                   | 0.0                |
| 2.0                     | 2.2                   | -0.2               |
| 3.0                     | 3.2                   | -0.2               |
| 4.0                     | 4.2                   | -0.2               |

#### 2. Performance check of Wind Direction

| Wind Di                     | rection (°)               | Difference D (°) |
|-----------------------------|---------------------------|------------------|
| Wind Direction Reading (W1) | Marine Compass Value (W1) | D = W1 - W2      |
| 0                           | 0                         | 0.0              |
| 90                          | 90                        | 0.0              |
| 180                         | 180                       | 0.0              |
| 270                         | 270                       | 0.0              |

#### **Test Specification:**

- 1. Performance Wind Speed Test The wind meter was on-site calibrated against the anemometer
- 2. Performance Wind Direction Test The wind meter was on-site calibrated against the marine compass at four direction

| Calibrated by: |                 | Approved by: | being day   |  |
|----------------|-----------------|--------------|-------------|--|
|                | Wong Shing Kwai |              | Henry Leung |  |

Rm 1904, Technology Park 18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: https://www.hpct.com.hk



Report No. : 01074 Issue Date : 19 Mar 2025

Application No. : HP00912

**Certificate of Calibration** 

Applicant : Cinotech Consultants Limited

RM 1710, Technology Park,

18 On Lai Street,

Shatin, N.T., Hong Kong

Sample Description : Submitted equipment stated to be Integrating Sound Level Meter.

Equipment No.: : N-12-03

Manufacturer: : BSWA Technology

Other information :

| Model No.      | BSWA 308 |
|----------------|----------|
| Serial No.     | 570188   |
| Microphone No. | 570608   |

Date Received : 17 Mar 2025

Test Period : 18 Mar 2025 to 18 Mar 2025

Test Requested : Performance checking for Sound Level Meter

Test Method : The Sound Level Calibrator has been calibrated in accordance with the

documented procedures and using standard and instrument which are

recommended by the manufacturer, or equivalent.

Test conditions : Room Temperature: 22-25 degree Celsius

Relative Humidity: 35-70%

Test Result : Refer to the test result(s) on page 2.

Remark: 1. Information of the sample description provided by the Applicant.

2. The result(s) relate only to the items tested or calibrated.

For and on behalf of HIGH PRECISION CHEMICAL TESTING LIMITED

Lee Wai Kit Laboratory Manager

Rm 1904, Technology Park 18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: https://www.hpct.com.hk



Report No. : 01074 Issue Date : 19 Mar 2025

Application No. : HP00912

# **Certificate of Calibration**

Measuring equipment

| Description   | Sound Calibrator |
|---------------|------------------|
| Manufacturer  | Brüel & Kjær     |
| Model No.     | TYPE 4231        |
| Serial No.    | 2326353          |
| Equipment No. | N-02-01          |

Test Result

| Reference value, dB | Indication value, dB | Deviation, dB | Allowed deviation, dB |
|---------------------|----------------------|---------------|-----------------------|
| 94.0                | 93.9                 | - 0.1         | ± 1.5                 |
| 114.0               | 114.0                | ± 0.0         | ± 1.5                 |

Note

- : 1. "Instrument Readings" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.
  - 2. The indication value was obtained from the average of ten replicated measurement.

- End of report -

Rm 1904, Technology Park 18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: https://www.hpct.com.hk



Report No. : 01075 | Issue Date : 19 Mar 2025

Application No. : HP00913

**Certificate of Calibration** 

Applicant : Cinotech Consultants Limited

RM 1710, Technology Park,

18 On Lai Street,

Shatin, N.T., Hong Kong

Sample Description : Submitted equipment stated to be Integrating Sound Level Meter.

Equipment No.: : N-12-04

Manufacturer: : BSWA Technology

Other information : Model No

| Model No.      | BSWA 308 |
|----------------|----------|
| Serial No.     | 580238   |
| Microphone No. | 570605   |

Date Received : 17 Mar 2025

Test Period : 18 Mar 2025 to 18 Mar 2025

Test Requested : Performance checking for Sound Level Meter

Test Method : The Sound Level Calibrator has been calibrated in accordance with the

documented procedures and using standard and instrument which are

recommended by the manufacturer, or equivalent.

Test conditions : Room Temperature: 22-25 degree Celsius

Relative Humidity: 35-70%

Test Result : Refer to the test result(s) on page 2.

Remark: 1. Information of the sample description provided by the Applicant.

2. The result(s) relate only to the items tested or calibrated.

For and on behalf of HIGH PRECISION CHEMICAL TESTING LIMITED

Lee Wai Kit Laboratory Manager

Rm 1904, Technology Park 18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: https://www.hpct.com.hk



Report No. : 01075 Issue Date : 19 Mar 2025

Application No. : HP00913

# **Certificate of Calibration**

Measuring equipment

| Description   | Sound Calibrator |
|---------------|------------------|
| Manufacturer  | Brüel & Kjær     |
| Model No.     | TYPE 4231        |
| Serial No.    | 2326353          |
| Equipment No. | N-02-01          |

Test Result

| Reference value, dB | Indication value, dB | Deviation, dB | Allowed deviation, dB |
|---------------------|----------------------|---------------|-----------------------|
| 94.0                | 94.2                 | + 0.2         | ± 1.5                 |
| 114.0               | 114.1                | + 0.1         | ± 1.5                 |

Note

- : 1. "Instrument Readings" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.
  - 2. The indication value was obtained from the average of ten replicated measurement.

- End of report -

Rm 1904, Technology Park 18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: https://www.hpct.com.hk



Report No. : 01015 Issue Date : 04 Feb 2025

Application No. : HP00868

**Certificate of Calibration** 

Applicant : Cinotech Consultants Limited

RM 1710, Technology Park,

18 On Lai Street,

Shatin, N.T., Hong Kong

Sample Description : Submitted equipment stated to be Sound Level Calibrator.

Equipment No.: : N-16-02

Manufacturer: : Hangzhou Aihua Instruments Co., Ltd.

Other information : Model No.

Model No. AWA6021A
Serial No. 1023064

Date Received : 28 Jan 2025

Test Period : 03 Feb 2025 to 04 Feb 2025

Test Requested : Performance checking for Sound Level Calibrator

Test Method : The Sound Level Meter and Calibrator has been calibrated in accordance with

the documented procedures and using standard and instrument which are

recommended by the manufacturer, or equivalent.

Test conditions : Room Temperature: 22-25 degree Celsius

Relative Humidity: 35-70%

Test Result : Refer to the test result(s) on page 2.

Remark : 1. Information of the sample description provided by the Applicant.

2. The result(s) relate only to the items tested or calibrated.

For and on behalf of HIGH PRECISION CHEMICAL TESTING LIMITED

Lee Wai Kit Laboratory Manager

Rm 1904, Technology Park 18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: https://www.hpct.com.hk



Report No. : 01015 Issue Date : 04 Feb 2025

Application No. : HP00868

# **Certificate of Calibration**

Measuring equipment

| Description   | Sound Calibrator |
|---------------|------------------|
| Manufacturer  | Brüel & Kjær     |
| Model No.     | TYPE 4231        |
| Serial No.    | 2326353          |
| Equipment No. | N-02-01          |

| Description    | Sound Meter |
|----------------|-------------|
| Manufacturer   | SVANTEK     |
| Model No.      | SVAN 977    |
| Serial No.     | 92677       |
| Microphone No. | 10352       |
| Equipment No.  | N-14-01     |

Test Result

| Reference value, dB | Indication value, dB | Deviation, dB | Allowed deviation, dB |
|---------------------|----------------------|---------------|-----------------------|
| 94.0                | 94.2                 | + 0.2         | ± 0.3                 |
| 114.0               | 114.3                | + 0.3         | ± 0.5                 |

Note

- : 1. "Instrument Readings" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.
  - 2. The indication value was obtained from the average of ten replicated measurement.

- End of report -