# Certificate of Calibration - Wind Monitoring Station

| | |
|---|---|
| Description: | Yau Lai Estate, Bik Lai House |
| Manufacturer: | Davis Instruments |
| Model No.: | Davis7440 |
| Serial No.: | MC01010A44 |
| Equipment No.: | SA-03-04 |
| Date of Calibration | 17-Feb-2025 |
| Next Due Date | 17-Aug-2025 |

1. Performance check of Wind Speed

| Wind Speed, m/s | | Difference D (m/s) |
|---|---|---|
| Wind Speed Reading (V1) | Anemometer Value (V2) | D = V1 – V2 |
| 0.0 | 0.0 | 0.0 |
| 1.5 | 1.4 | 0.1 |
| 2.5 | 2.4 | 0.1 |
| 4.0 | 3.8 | 0.2 |

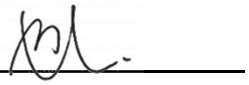
2. Performance check of Wind Direction

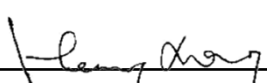
| Wind Direction ($^{o}$) | | Difference D ($^{o}$) |
|---|---|---|
| Wind Direction Reading (W1) | Marine Compass Value (W2) | D = W1 - W2 |
| 0 | 0 | 0.0 |
| 90 | 90 | 0.0 |
| 180 | 180 | 0.0 |
| 270 | 270 | 0.0 |

**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:  Wong Shing Kwai

Approved by:  Henry Leung

TISCH Environmental

| 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 (m3) | Vol. Final (m3) | ΔVol. (m3) | ΔTime (min) | ΔP (mm Hg) | ΔH (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 (m3) | Qstd (x-axis) | $\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$ (y-axis) | Va | Qa (x-axis) | $\sqrt{\Delta H\left(Ta/Pa\right)}$ (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 |
| **QSTD** | **m=** | **2.08969** | **QA** | **m=** | **1.30853** |
| | **b=** | **-0.02374** | | **b=** | **-0.01464** |
| | **r=** | **0.99985** | | **r=** | **0.99985** |

**Calculations**

| | | | |
|---|---|---|---|
| **Vstd=** | ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta) | **Va=** | ΔVol((Pa-ΔP)/Pa) |
| **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=** $1/m\left(\left(\sqrt{\Delta H\left(Ta/Pa\right)}\right)-b\right)$

| 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 |

Tisch Environmental, Inc.
145 South Miami Avenue
Village of Cleves, OH 45002

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TOLL FREE: (877)263-7610
FAX: (513)467-9009

# High-Volume TSP Sampler

## 5-POINT CALIBRATION DATA SHEET

File No. MA16034/05/0053

Project No. AM1 - Tin Hau Temple

Date: 14-Apr-25 Next Due Date: 14-Jun-25 Operator: SK

Equipment No.: A-01-05 Model No.: GS2310 Serial No. 10599

| Ambient Condition | | | |
|---|---|---|---|
| Temperature, Ta (K) | 295.6 | Pressure, Pa (mmHg) | 759.7 |

| Orifice Transfer Standard Information | | | | | |
|---|---|---|---|---|---|
| Serial No. | 3864 | Slope, mc | 0.05914 | Intercept, bc | -0.02377 |
| Last Calibration Date: | 7-Jan-25 | **mc x Qstd + bc = [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$** | | | |
| Next Calibration Date: | 7-Jan-26 | **Qstd = {[ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ -bc} / mc** | | | |

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**Calibration of TSP Sampler**

| Calibration Point | Orfice | | | HVS | |
|---|---|---|---|---|---|
| | ΔH (orifice), in. of water | [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ | Qstd (CFM) **X - axis** | ΔW (HVS), in. of water | [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$ **Y-axis** |
| 1 | 13.2 | 3.65 | 62.07 | 8.5 | 2.93 |
| 2 | 10.1 | 3.19 | 54.35 | 6.3 | 2.52 |
| 3 | 7.2 | 2.69 | 45.95 | 4.1 | 2.03 |
| 4 | 5.0 | 2.24 | 38.36 | 2.7 | 1.65 |
| 5 | 2.8 | 1.68 | 28.81 | 1.0 | 1.00 |

**By Linear Regression of Y on X**

**Slope , mw =** **0.0573** **Intercept, bw =** **-0.6019**

**Correlation coefficient* =** **0.9987**

*If Correlation Coefficient < 0.990, check and recalibrate.

**Set Point Calculation**

From the TSP Field Calibration Curve, take Qstd = 43 CFM

From the Regression Equation, the "Y" value according to

**mw x Qstd + bw = [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$**

Therefore, Set Point; W = ( mw x Qstd + bw )$^2$ x ( 760 / Pa ) x ( Ta / 298 ) = **3.43**

Remarks:

Conducted by: Wong Shing Kwai Signature: Date: 14-Apr-25

Checked by: Henry Leung Signature: Date: 14-Apr-25

# High-Volume TSP Sampler

## 5-POINT CALIBRATION DATA SHEET

File No. MA16034/05/0054

Project No. AM1 - Tin Hau Temple

Date: 13-Jun-25 Next Due Date: 13-Aug-25 Operator: SK

Equipment No.: A-01-05 Model No.: GS2310 Serial No. 10599

| Ambient Condition | | | |
|---|---|---|---|
| Temperature, Ta (K) | 300.5 | Pressure, Pa (mmHg) | 754.4 |

| Orifice Transfer Standard Information | | | | | |
|---|---|---|---|---|---|
| Serial No. | 3864 | Slope, mc | 0.05914 | Intercept, bc | -0.02377 |
| Last Calibration Date: | 7-Jan-25 | **mc x Qstd + bc = [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$** | | | |
| Next Calibration Date: | 7-Jan-26 | **Qstd = {[ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ -bc} / mc** | | | |

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| Calibration of TSP Sampler | | | | | |
|---|---|---|---|---|---|
| Calibration Point | Orfice | | | HVS | |
| | ΔH (orifice), in. of water | [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ | Qstd (CFM) **X - axis** | ΔW (HVS), in. of water | [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$ **Y-axis** |
| 1 | 13.1 | 3.59 | 61.12 | 8.4 | 2.88 |
| 2 | 10.2 | 3.17 | 53.98 | 6.2 | 2.47 |
| 3 | 7.1 | 2.64 | 45.10 | 4.0 | 1.98 |
| 4 | 5.1 | 2.24 | 38.29 | 2.6 | 1.60 |
| 5 | 2.7 | 1.63 | 27.97 | 1.3 | 1.13 |

**By Linear Regression of Y on X**

**Slope , mw =** **0.0530** **Intercept, bw =** **-0.3891**

**Correlation coefficient* =** **0.9989**

*If Correlation Coefficient < 0.990, check and recalibrate.

**Set Point Calculation**

From the TSP Field Calibration Curve, take Qstd = 43 CFM

From the Regression Equation, the "Y" value according to

**mw x Qstd + bw = [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$**

Therefore, Set Point; W = ( mw x Qstd + bw )$^2$ x ( 760 / Pa ) x ( Ta / 298 ) = **3.63**

Remarks:

Conducted by: Wong Shing Kwai Signature: Date: 13-Jun-25

Checked by: Henry Leung Signature: Date: 13-Jun-25

# High-Volume TSP Sampler

## 5-POINT CALIBRATION DATA SHEET

File No. MA16034/08/0053

Project No. AM2 - Sai Tso Wan Recreation Ground

Date: 14-Apr-25 Next Due Date: 14-Jun-25 Operator: SK

Equipment No.: A-01-08 Model No.: GS2310 Serial No. 1287

| Ambient Condition | | | |
|---|---|---|---|
| Temperature, Ta (K) | 295.6 | Pressure, Pa (mmHg) | 759.7 |

| Orifice Transfer Standard Information | | | | | |
|---|---|---|---|---|---|
| Serial No. | 3864 | Slope, mc | 0.05914 | Intercept, bc | -0.02377 |
| Last Calibration Date: | 7-Jan-25 | **mc x Qstd + bc = [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$** | | | |
| Next Calibration Date: | 7-Jan-26 | **Qstd = {[ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ -bc} / mc** | | | |

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**Calibration of TSP Sampler**

| Calibration Point | Orfice | | | HVS | |
|---|---|---|---|---|---|
| | ΔH (orifice), in. of water | [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ | Qstd (CFM) **X - axis** | ΔW (HVS), in. of water | [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$ **Y-axis** |
| 1 | 13.2 | 3.65 | 62.07 | 8.5 | 2.93 |
| 2 | 10.1 | 3.19 | 54.35 | 6.1 | 2.48 |
| 3 | 7.5 | 2.75 | 46.89 | 4.0 | 2.01 |
| 4 | 5.2 | 2.29 | 39.11 | 2.5 | 1.59 |
| 5 | 3.1 | 1.77 | 30.29 | 1.5 | 1.23 |

**By Linear Regression of Y on X**

**Slope , mw =** **0.0543** **Intercept, bw =** **-0.4790**

**Correlation coefficient* =** **0.9967**

*If Correlation Coefficient < 0.990, check and recalibrate.

**Set Point Calculation**

From the TSP Field Calibration Curve, take Qstd = 43 CFM

From the Regression Equation, the "Y" value according to

**mw x Qstd + bw = [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$**

Therefore, Set Point; W = ( mw x Qstd + bw )$^2$ x ( 760 / Pa ) x ( Ta / 298 ) = **3.41**

Remarks:

Conducted by: Wong Shing Kwai Signature: Date: 14-Apr-25

Checked by: Henry Leung Signature: Date: 14-Apr-25

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# High-Volume TSP Sampler

## 5-POINT CALIBRATION DATA SHEET

File No. MA16034/08/0054

Project No. AM2 - Sai Tso Wan Recreation Ground

Date: 13-Jun-25 Next Due Date: 13-Aug-25 Operator: SK

Equipment No.: A-01-08 Model No.: GS2310 Serial No. 1287

| Ambient Condition | | | |
|---|---|---|---|
| Temperature, Ta (K) | 300.5 | Pressure, Pa (mmHg) | 754.4 |

| Orifice Transfer Standard Information | | | | | |
|---|---|---|---|---|---|
| Serial No. | 3864 | Slope, mc | 0.05914 | Intercept, bc | -0.02377 |
| Last Calibration Date: | 7-Jan-25 | **mc x Qstd + bc = [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$** | | | |
| Next Calibration Date: | 7-Jan-26 | **Qstd = {[ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ -bc} / mc** | | | |

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**Calibration of TSP Sampler**

| Calibration Point | Orfice | | | HVS | |
|---|---|---|---|---|---|
| | ΔH (orifice), in. of water | [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ | Qstd (CFM) **X - axis** | ΔW (HVS), in. of water | [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$ **Y-axis** |
| 1 | 13.3 | 3.62 | 61.58 | 8.3 | 2.86 |
| 2 | 10.3 | 3.18 | 54.24 | 6.4 | 2.51 |
| 3 | 7.7 | 2.75 | 46.95 | 4.2 | 2.03 |
| 4 | 5.0 | 2.22 | 37.92 | 2.4 | 1.54 |
| 5 | 3.4 | 1.83 | 31.34 | 1.2 | 1.09 |

**By Linear Regression of Y on X**

**Slope , mw =** **0.0587** **Intercept, bw =** **-0.7210**

**Correlation coefficient* =** **0.9987**

*If Correlation Coefficient < 0.990, check and recalibrate.

**Set Point Calculation**

From the TSP Field Calibration Curve, take Qstd = 43 CFM

From the Regression Equation, the "Y" value according to

**mw x Qstd + bw = [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$**

Therefore, Set Point; W = ( mw x Qstd + bw )$^2$ x ( 760 / Pa ) x ( Ta / 298 ) = **3.31**

Remarks:

Conducted by: Wong Shing Kwai Signature: Date: 13-Jun-25

Checked by: Henry Leung Signature: Date: 13-Jun-25

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# High-Volume TSP Sampler

## 5-POINT CALIBRATION DATA SHEET

File No. MA16034/03/0053

Project No. AM3 - Yau Lai Estate, Bik Lai House

Date: 14-Apr-25 Next Due Date: 14-Jun-25 Operator: SK

Equipment No.: A-01-03 Model No.: GS2310 Serial No. 10379

| Ambient Condition | | | |
|---|---|---|---|
| Temperature, Ta (K) | 295.6 | Pressure, Pa (mmHg) | 759.7 |

| Orifice Transfer Standard Information | | | | | |
|---|---|---|---|---|---|
| Serial No. | 3864 | Slope, mc | 0.05914 | Intercept, bc | -0.02377 |
| Last Calibration Date: | 7-Jan-25 | **mc x Qstd + bc = [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$** | | | |
| Next Calibration Date: | 7-Jan-26 | **Qstd = {[ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ -bc} / mc** | | | |

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**Calibration of TSP Sampler**

| Calibration Point | Orfice | | | HVS | |
|---|---|---|---|---|---|
| | ΔH (orifice), in. of water | [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ | Qstd (CFM) **X - axis** | ΔW (HVS), in. of water | [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$ **Y-axis** |
| 1 | 13.1 | 3.63 | 61.84 | 8.3 | 2.89 |
| 2 | 10.0 | 3.17 | 54.08 | 6.3 | 2.52 |
| 3 | 7.4 | 2.73 | 46.58 | 4.1 | 2.03 |
| 4 | 5.0 | 2.24 | 38.36 | 2.4 | 1.56 |
| 5 | 3.2 | 1.80 | 30.77 | 1.4 | 1.19 |

**By Linear Regression of Y on X**

**Slope , mw =** **0.0562** **Intercept, bw =** **-0.5643**

**Correlation coefficient* =** **0.9988**

*If Correlation Coefficient < 0.990, check and recalibrate.

**Set Point Calculation**

From the TSP Field Calibration Curve, take Qstd = 43 CFM

From the Regression Equation, the "Y" value according to

**mw x Qstd + bw = [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$**

Therefore, Set Point; W = ( mw x Qstd + bw )$^2$ x ( 760 / Pa ) x ( Ta / 298 ) = **3.40**

Remarks:

Conducted by: Wong Shing Kwai Signature: Date: 14-Apr-25

Checked by: Henry Leung Signature: Date: 14-Apr-25

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# High-Volume TSP Sampler

## 5-POINT CALIBRATION DATA SHEET

File No. MA16034/03/0054

Project No. AM3 - Yau Lai Estate, Bik Lai House

Date: 13-Jun-25 Next Due Date: 13-Aug-25 Operator: SK

Equipment No.: A-01-03 Model No.: GS2310 Serial No. 10379

| Ambient Condition | | | |
|---|---|---|---|
| Temperature, Ta (K) | 300.5 | Pressure, Pa (mmHg) | 754.4 |

| Orifice Transfer Standard Information | | | | | |
|---|---|---|---|---|---|
| Serial No. | 3864 | Slope, mc | 0.05914 | Intercept, bc | -0.02377 |
| Last Calibration Date: | 7-Jan-25 | **mc x Qstd + bc = [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$** | | | |
| Next Calibration Date: | 7-Jan-26 | **Qstd = {[ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ -bc} / mc** | | | |

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| Calibration of TSP Sampler | | | | | |
|---|---|---|---|---|---|
| Calibration Point | Orfice | | | HVS | |
| | ΔH (orifice), in. of water | [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ | Qstd (CFM) **X - axis** | ΔW (HVS), in. of water | [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$ **Y-axis** |
| 1 | 13.0 | 3.58 | 60.89 | 8.4 | 2.88 |
| 2 | 10.1 | 3.15 | 53.72 | 6.1 | 2.45 |
| 3 | 7.3 | 2.68 | 45.73 | 4.2 | 2.03 |
| 4 | 5.2 | 2.26 | 38.66 | 2.3 | 1.50 |
| 5 | 3.1 | 1.75 | 29.94 | 1.3 | 1.13 |

**By Linear Regression of Y on X**

**Slope , mw =** 0.0575 **Intercept, bw =** -0.6335

**Correlation coefficient* =** 0.9973

*If Correlation Coefficient < 0.990, check and recalibrate.

**Set Point Calculation**

From the TSP Field Calibration Curve, take Qstd = 43 CFM

From the Regression Equation, the "Y" value according to

**mw x Qstd + bw = [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$**

Therefore, Set Point; W = ( mw x Qstd + bw )$^2$ x ( 760 / Pa ) x ( Ta / 298 ) = **3.43**

Remarks:

Conducted by: Wong Shing Kwai Signature: Date: 13-Jun-25

Checked by: Henry Leung Signature: Date: 13-Jun-25

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# High-Volume TSP Sampler

## 5-POINT CALIBRATION DATA SHEET

File No. MA20003/55/032

Project No. CKL 2 - Flat 103 Cha Kwo Ling Village

Date: 6-May-25 Next Due Date: 6-Jul-25 Operator: SK

Equipment No.: A-01-55 Model No.: TE 5170 Serial No. 1956

| Ambient Condition | | | |
|---|---|---|---|
| Temperature, Ta (K) | 300.7 | Pressure, Pa (mmHg) | 759.1 |

| Orifice Transfer Standard Information | | | | | |
|---|---|---|---|---|---|
| Serial No. | 3864 | Slope, mc | 0.05914 | Intercept, bc | -0.02377 |
| Last Calibration Date: | 7-Jan-25 | **mc x Qstd + bc = [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$** | | | |
| Next Calibration Date: | 7-Jan-26 | **Qstd = {[ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ -bc} / mc** | | | |

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| Calibration of TSP Sampler | | | | | |
|---|---|---|---|---|---|
| Calibration Point | Orfice | | | HVS | |
| | ΔH (orifice), in. of water | [ΔH x (Pa/760) x (298/Ta)]$^{1/2}$ | Qstd (CFM) **X - axis** | ΔW (HVS), in. of water | [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$ **Y-axis** |
| 1 | 13.6 | 3.67 | 62.44 | 9.0 | 2.98 |
| 2 | 11.1 | 3.31 | 56.45 | 7.0 | 2.63 |
| 3 | 9.2 | 3.02 | 51.43 | 5.8 | 2.40 |
| 4 | 5.2 | 2.27 | 38.76 | 2.8 | 1.66 |
| 5 | 3.8 | 1.94 | 33.20 | 2.0 | 1.41 |

**By Linear Regression of Y on X**

**Slope , mw =** **0.0543** **Intercept, bw =** **-0.4130**

**Correlation coefficient* =** **0.9995**

*If Correlation Coefficient < 0.990, check and recalibrate.

**Set Point Calculation**

From the TSP Field Calibration Curve, take Qstd = 43 CFM

From the Regression Equation, the "Y" value according to

**mw x Qstd + bw = [ΔW x (Pa/760) x (298/Ta)]$^{1/2}$**

Therefore, Set Point; W = ( mw x Qstd + bw )$^2$ x ( 760 / Pa ) x ( Ta / 298 ) = **3.73**

Remarks:

Conducted by: Wong Shing Kwai Signature: Date: 6-May-25

Checked by: Henry Leung Signature: Date: 6-May-25

# CINOTECH CONSULTANTS LIMITED

## Certificate of Calibration

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description: Laser Dust Monitor

Date of Calibration 30-May-25

Manufacturer: Sibata Scientific Technology LTD.

Validity of Calibration Record 30-Jul-25

Model No.: LD-3B

Serial No.: 2Y6194

Equipment No.: SA-01-02

Sensitivity 0.001 mg/m3

High Volume Sampler No.: A-01-03

Before Sensitivity Adjustment 578

Tisch Calibration Orifice No.: 3864

After Sensitivity Adjustment 578

**Calibration of 1 hr TSP**

| Calibration Point | Laser Dust Monitor | | HVS |
|---|---|---|---|
| | Total Count | Count / Minute **X-axis** | Mass concentration (μg/m$^3$) **Y-axis** |
| 1 | 4000 | 75.0 | 142.0 |
| 2 | 3600 | 63.0 | 116.0 |
| 3 | 3000 | 55.0 | 102.0 |
| **Average** | | **64.3** | **120.0** |

**By Linear Regression of Y on X**

**Slope , mw =** **2.0132**

**Intercept, bw =** **-9.5132**

**Correlation coefficient* =** **0.9984**

Set Correlation Factor , SCF

**SCF = [ K=High Volume Sampler / Dust Meter, ( μg/m3) ]** **1.9**

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

**Those filter papers are weighted by HOKLAS laboratory (HPCT Limited)**

Calibrated by: _____

Technical Officer (Wong Shing Kwai)

Approved by: _____

Project Manager (Henry Leung)

# CINOTECH CONSULTANTS LIMITED

## Certificate of Calibration

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description: Digital Dust Indicator — Date of Calibration: 30-May-25

Manufacturer: Sibata Scientific Technology LTD. — Validity of Calibration Record: 30-Jul-25

Model No.: LD-5R

Serial No.: 8Y2374

Equipment No.: SA-01-04 — Sensitivity: 0.001 mg/m3

High Volume Sampler No.: A-01-03 — Before Sensitivity Adjustment: 652

Tisch Calibration Orifice No.: 3864 — After Sensitivity Adjustment: 652

| **Calibration of 1 hr TSP** | | |
|---|---|---|
| Calibration Point | **Laser Dust Monitor** | **HVS** |
| | Mass Concentration (µg/m3) **X-axis** | Mass concentration (µg/$m^3$) **Y-axis** |
| 1 | 77.0 | 133.0 |
| 2 | 65.0 | 120.0 |
| 3 | 53.0 | 104.0 |
| **Average** | **65.0** | **119.0** |

**By Linear Regression of Y on X**

**Slope , mw =** **1.2083** — **Intercept, bw =** **40.4583**

**Correlation coefficient* =** **0.9982**

| **Set Correlation Factor** | |
|---|---|
| Particaulate Concentration by High Volume Sampler (µg/$m^3$) | 119.0 |
| Particaulate Concentration by Dust Meter (µg/$m^3$) | 65.0 |
| Measureing time, (min) | 60.0 |

Set Correlation Factor , SCF

**SCF = [ K=High Volume Sampler / Dust Meter, (µg/m3) ]** **1.8**

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

**Those filter papers are weighted by HOKLAS laboratory (HPCT Litimed)**

Calibrated by: _____

Technical Officer (Wong Shing Kwai)

Approved by: _____

Project Manager (Henry Leung)

# CINOTECH CONSULTANTS LIMITED

## Certificate of Calibration

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description: Digital Dust Indicator — Date of Calibration: 30-May-25

Manufacturer: Sibata Scientific Technology LTD. — Validity of Calibration Record: 30-Jul-25

Model No.: LD-5R

Serial No.: 8Y2373

Equipment No.: SA-01-05 — Sensitivity: 0.001 mg/m3

High Volume Sampler No.: A-01-03 — Before Sensitivity Adjustment: 657

Tisch Calibration Orifice No.: 3864 — After Sensitivity Adjustment: 657

| **Calibration of 1 hr TSP** | | |
|---|---|---|
| Calibration Point | **Laser Dust Monitor** | **HVS** |
| | Mass Concentration (µg/m3) **X-axis** | Mass concentration (µg/$m^3$) **Y-axis** |
| 1 | 73.0 | 132.0 |
| 2 | 63.0 | 114.0 |
| 3 | 55.0 | 103.0 |
| **Average** | **63.7** | **116.3** |

**By Linear Regression of Y on X**

**Slope , mw =** **1.6189** — **Intercept, bw =** **13.2664**

**Correlation coefficient* =** **0.9972**

| **Set Correlation Factor** | |
|---|---|
| Particaulate Concentration by High Volume Sampler (µg/$m^3$) | 116.3 |
| Particaulate Concentration by Dust Meter (µg/$m^3$) | 63.7 |
| Measureing time, (min) | 60.0 |

Set Correlation Factor , SCF

**SCF = [ K=High Volume Sampler / Dust Meter, (µg/m3) ]** **1.8**

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

**Those filter papers are weighted by HOKLAS laboratory (HPCT Litimed)**

Calibrated by: _____

Technical Officer (Wong Shing Kwai)

Approved by: _____

Project Manager (Henry Leung)

# CINOTECH CONSULTANTS LIMITED

## Certificate of Calibration

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description: Digital Dust Indicator — Date of Calibration: 30-May-25

Manufacturer: Sibata Scientific Technology LTD. — Validity of Calibration Record: 30-Jul-25

Model No.: LD-5R

Serial No.: 972777

Equipment No.: SA-01-06 — Sensitivity: 0.001 mg/m3

High Volume Sampler No.: A-01-03 — Before Sensitivity Adjustment: 645

Tisch Calibration Orifice No.: 3864 — After Sensitivity Adjustment: 645

| **Calibration of 1 hr TSP** | | |
|---|---|---|
| Calibration Point | **Laser Dust Monitor** | **HVS** |
| | Mass Concentration (µg/m3) **X-axis** | Mass concentration (µg/m$^3$) **Y-axis** |
| 1 | 75.0 | 133.0 |
| 2 | 61.0 | 117.0 |
| 3 | 53.0 | 105.0 |
| **Average** | **63.0** | **118.3** |

**By Linear Regression of Y on X**

**Slope , mw =** **1.2581** — **Intercept, bw =** **39.0753**

**Correlation coefficient* =** **0.9973**

| **Set Correlation Factor** | |
|---|---|
| Particaulate Concentration by High Volume Sampler (µg/m$^3$) | 118.3 |
| Particaulate Concentration by Dust Meter (µg/m$^3$) | 63.0 |
| Measureing time, (min) | 60.0 |

Set Correlation Factor , SCF

**SCF = [ K=High Volume Sampler / Dust Meter, (µg/m3) ]** **1.9**

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

**Those filter papers are weighted by HOKLAS laboratory (HPCT Litimed)**

Calibrated by: _____

Technical Officer (Wong Shing Kwai)

Approved by: _____

Project Manager (Henry Leung)

# CINOTECH CONSULTANTS LIMITED

## Certificate of Calibration

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description: Digital Dust Indicator — Date of Calibration: 30-May-25

Manufacturer: Sibata Scientific Technology LTD. — Validity of Calibration Record: 30-Jul-25

Model No.: LD-5R

Serial No.: 972778

Equipment No.: SA-01-07 — Sensitivity: 0.001 mg/m3

High Volume Sampler No.: A-01-03 — Before Sensitivity Adjustment: 735 CPM

Tisch Calibration Orifice No.: 3864 — After Sensitivity Adjustment: 735 CPM

| **Calibration of 1 hr TSP** | | |
|---|---|---|
| Calibration Point | **Laser Dust Monitor** | **HVS** |
| | Mass Concentration (µg/m3) **X-axis** | Mass concentration (µg/m$^3$) **Y-axis** |
| 1 | 77.0 | 142.0 |
| 2 | 64.0 | 119.0 |
| 3 | 53.0 | 104.0 |
| **Average** | **64.7** | **121.7** |

**By Linear Regression of Y on X**

**Slope , mw =** **1.5889** **Intercept, bw =** **18.9169**

**Correlation coefficient* =** **0.9973**

| **Set Correlation Factor** | |
|---|---|
| Particaulate Concentration by High Volume Sampler (µg/m$^3$) | 121.7 |
| Particaulate Concentration by Dust Meter (µg/m$^3$) | 64.7 |
| Measureing time, (min) | 60.0 |
| Set Correlation Factor , SCF | |
| **SCF = [ K=High Volume Sampler / Dust Meter, (µg/m3) ]** | **1.9** |

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

**Those filter papers are weighted by HOKLAS laboratory (HPCT Litimed)**

Calibrated by: _____

Technical Officer (Wong Shing Kwai)

Approved by: _____

Project Manager (Henry Leung)

# CINOTECH CONSULTANTS LIMITED

## Certificate of Calibration

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description: Digital Dust Indicator — Date of Calibration: 30-May-25

Manufacturer: Sibata Scientific Technology LTD. — Validity of Calibration Record: 30-Jul-25

Model No.: LD-5R

Serial No.: 972780

Equipment No.: SA-01-09 — Sensitivity: 0.001 mg/m3

High Volume Sampler No.: A-01-03 — Before Sensitivity Adjustment: 739 CPM

Tisch Calibration Orifice No.: 3864 — After Sensitivity Adjustment: 739 CPM

| **Calibration of 1 hr TSP** | | |
|---|---|---|
| Calibration Point | **Laser Dust Monitor** | **HVS** |
| | Mass Concentration (µg/m3) **X-axis** | Mass concentration (µg/m$^3$) **Y-axis** |
| 1 | 75.0 | 137.0 |
| 2 | 61.0 | 114.0 |
| 3 | 55.0 | 101.0 |
| **Average** | **63.7** | **117.3** |

**By Linear Regression of Y on X**

**Slope , mw =** **1.7722** **Intercept, bw =** **4.5063**

**Correlation coefficient* =** **0.9977**

| **Set Correlation Factor** | |
|---|---|
| Particaulate Concentration by High Volume Sampler (µg/m$^3$) | 117.3 |
| Particaulate Concentration by Dust Meter (µg/m$^3$) | 63.7 |
| Measureing time, (min) | 60.0 |

Set Correlation Factor , SCF

**SCF = [ K=High Volume Sampler / Dust Meter, (µg/m3) ]** **1.8**

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

**Those filter papers are weighted by HOKLAS laboratory (HPCT Litimed)**

Calibrated by: _____

Technical Officer (Wong Shing Kwai)

Approved by: _____

Project Manager (Henry Leung)

# CINOTECH CONSULTANTS LIMITED

## Certificate of Calibration

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description: Digital Dust Indicator — Date of Calibration 30-May-25

Manufacturer: Sibata Scientific Technology LTD. — Validity of Calibration Record 30-Jul-25

Model No.: LD-5R

Serial No.: 972781

Equipment No.: SA-01-10 — Sensitivity 0.001 mg/m3

High Volume Sampler No.: A-01-03 — Before Sensitivity Adjustment 734 CPM

Tisch Calibration Orifice No.: 3864 — After Sensitivity Adjustment 734 CPM

| **Calibration of 1 hr TSP** | | |
|---|---|---|
| Calibration Point | **Laser Dust Monitor** Mass Concentration (µg/m3) **X-axis** | **HVS** Mass concentration (µg/m$^3$) **Y-axis** |
| 1 | 76.0 | 133.0 |
| 2 | 67.0 | 116.0 |
| 3 | 57.0 | 102.0 |
| **Average** | **66.7** | **117.0** |

**By Linear Regression of Y on X**

**Slope , mw =** **1.6273** **Intercept, bw =** **8.5129**

**Correlation coefficient* =** **0.9963**

| **Set Correlation Factor** | |
|---|---|
| Particaulate Concentration by High Volume Sampler (µg/m$^3$) | 117.0 |
| Particaulate Concentration by Dust Meter (µg/m$^3$) | 66.7 |
| Measureing time, (min) | 60.0 |

Set Correlation Factor , SCF

**SCF = [ K=High Volume Sampler / Dust Meter, (µg/m3) ]** **1.8**

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

**Those filter papers are weighted by HOKLAS laboratory (HPCT Litimed)**

Calibrated by: _____

Technical Officer (Wong Shing Kwai)

Approved by: _____

Project Manager (Henry Leung)

**High Precision Chemical Testing Ltd.**
Rm 1904, Technology Park
18 On Lai Street, Shatin
NT, Hong Kong
Tel: +852 3841 4388 Website: https://www.hpct.com.hk

Report No. : 00736 Issue Date : 28 Jun 2024
Application No. : HP00592

# 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-16-01

Manufacturer: : Hangzhou Aihua Instruments Co., Ltd.

Other information :

| | |
|---|---|
| Model No. | AWA6021A |
| Serial No. | 1023253 |

Date Received : 27 Jun 2024

Test Period : 28 Jun 2024 to 28 Jun 2024

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

**High Precision Chemical Testing Ltd.**
Rm 1904, Technology Park
18 On Lai Street, Shatin
NT, Hong Kong
Tel: +852 3841 4388 Website: https://www.hpct.com.hk

Report No. : 00736 Issue Date : 28 Jun 2024
Application No. : HP00592

# 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 | BSWA Technology |
| Model No. | BSWA 308 |
| Serial No. | 570183 |
| Microphone No. | 570605 |
| Equipment No. | N-12-01 |

Test Result :

| Reference value, dB | Indication value, dB | Deviation, dB | Allowed deviation, dB |
|---|---|---|---|
| 94.0 | 94.1 | + 0.1 | ± 0.3 |
| 114.0 | 114.1 | + 0.1 | ± 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 -

**High Precision Chemical Testing Ltd.**
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. | 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

**High Precision Chemical Testing Ltd.**
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 -

**High Precision Chemical Testing Ltd.**
Rm 1904, Technology Park
18 On Lai Street, Shatin
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Tel: +852 3841 4388 Website: https://www.hpct.com.hk

Report No. : 00870 Issue Date : 14 Oct 2024
Application No. : HP00731

# 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-08-12

Manufacturer: : SVANTEK

Other information :

| | |
|---|---|
| Model No. | SVAN 957 |
| Serial No. | 23851 |
| Microphone No. | 22391 |

Date Received : 07 Oct 2024

Test Period : 09 Oct 2024 to 09 Oct 2024

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

**High Precision Chemical Testing Ltd.**
Rm 1904, Technology Park
18 On Lai Street, Shatin
NT, Hong Kong
Tel: +852 3841 4388 Website: https://www.hpct.com.hk

Report No. : 00870 Issue Date : 14 Oct 2024
Application No. : HP00731

# 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 | 94.0 | ± 0.0 | ± 1.5 |
| 114.0 | 114.2 | + 0.2 | ± 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 -

**High Precision Chemical Testing Ltd.**
Rm 1904, Technology Park
18 On Lai Street, Shatin
NT, Hong Kong
Tel: +852 3841 4388 Website: https://www.hpct.com.hk

Report No. : 00871 Issue Date : 14 Oct 2024
Application No. : HP00732

# 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-12-02

Manufacturer: : BSWA Technology

Other information :

| | |
|---|---|
| Model No. | BSWA 308 |
| Serial No. | 570187 |
| Microphone No. | 590079 |

Date Received : 07 Oct 2024

Test Period : 09 Oct 2024 to 09 Oct 2024

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

**High Precision Chemical Testing Ltd.**
Rm 1904, Technology Park
18 On Lai Street, Shatin
NT, Hong Kong
Tel: +852 3841 4388 Website: https://www.hpct.com.hk

Report No. : 00871 Issue Date : 14 Oct 2024
Application No. : HP00732

# 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 | 113.7 | - 0.3 | ± 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 -

**High Precision Chemical Testing Ltd.**
Rm 1904, Technology Park
18 On Lai Street, Shatin
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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

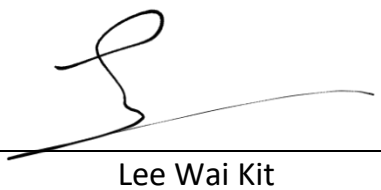
Test Method : The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard and instrument which are recommended by the manufacturer, or equivalent.

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

**High Precision Chemical Testing Ltd.**
Rm 1904, Technology Park
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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 -

**High Precision Chemical Testing Ltd.**
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. | 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

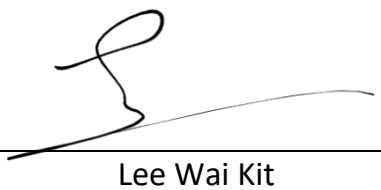
Test Method : The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard and instrument which are recommended by the manufacturer, or equivalent.

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

**High Precision Chemical Testing Ltd.**
Rm 1904, Technology Park
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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 -