High Volume Air Sampler Calibration Worksheet

Project Title: Design and Construction of Tsuen Wan Drainage Tunnel
Monitoring Location: Ho Fung College
Calibration Date: 15-Aug-08
Calibration Due Date 15-Oct-08
Time: 17:28

Sampler Model:	BM2000HX
Serial No.:	4994
Calibrator Orifice no.:	517N
Slope (m):	2.02953
Intercept (b):	-0.01939
Correction coeff. (r)	0.9999

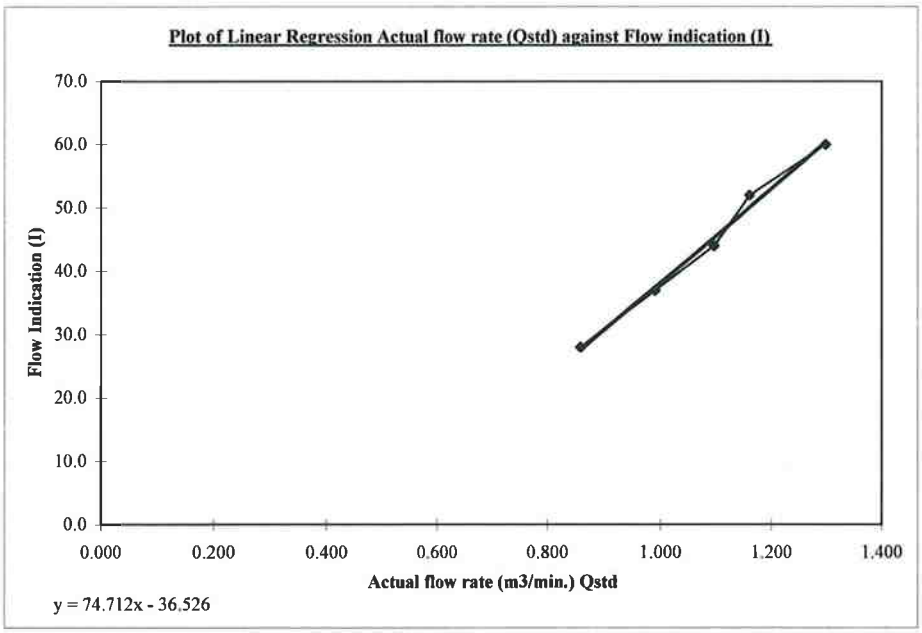
Standard pressure (mmHg) Pstd:	756.9
Standard temp. (K) Tstd:	297.18
Calibration pressure (mmHg) Pa:	755.5
Calibration temp. (K) Ta:	300.2

$$Flow(corrected) = \sqrt{H \times \frac{Pa}{Pstd} \times \frac{Tstd}{Ta}}$$

$$Qstd = \frac{1}{m} \times (\sqrt{H \times \frac{Pa}{Pstd} \times \frac{Tstd}{Ta}} - b)$$

Sample no.	Pressure Drop (H), inch	Flow (corrcted), m^3/min	Actual flow rate (Qstd), m^3/min	Flow indication (I), arbitrary
1	6.9	2.615	1.298	60.0
2	5.5	2.334	1.160	52.0
3	4.9	2.203	1.095	44.0
4	4.0	1.991	0.990	37.0
5	3.0	1.724	0.859	28.0

Correlation Coefficient : 0.9954



Remark
1HPa = 0.750062 mmHg

Calibrated by: **Hui Chun Ming** **Date:** 18.8.08
( )

Checked by: **Tang Hiu Yeung** **Date:** 18.8.08
( )

High Volume Air Sampler Calibration Worksheet

Project Title: Design and Construction of Tsuen Wan Drainage Tunnel
Monitoring Location: Long Beach Gardan
Calibration Date: 15-Aug-08
Calibration Due Date 15-Oct-08
Time: 15:40

Sampler Model:	TE5005X
Serial No.:	0390
Calibrator Orifice no.:	517N
Slope (m):	2.02953
Intercept (b):	-0.01939
Correction coeff. (r)	0.9999

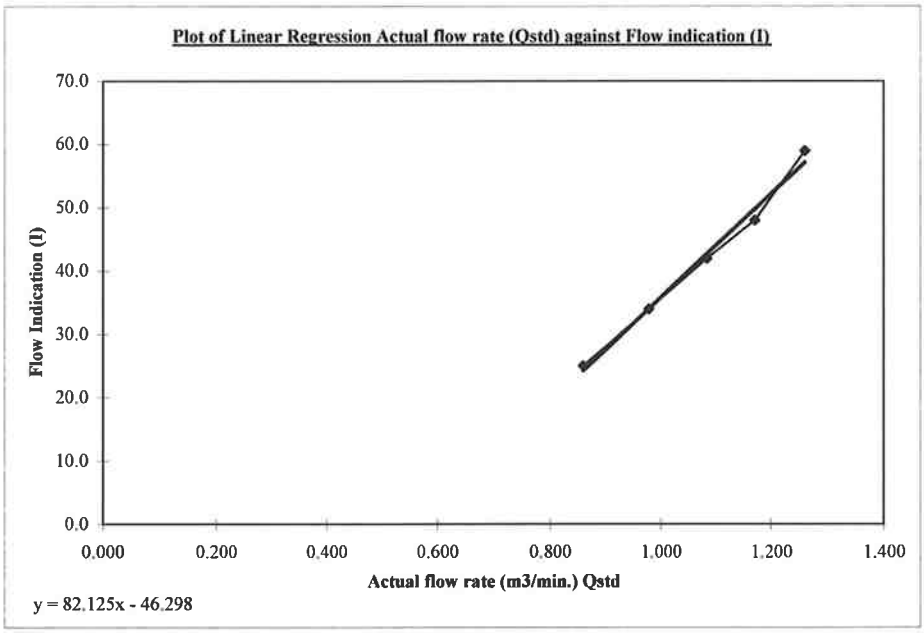
$$Flow(corrected) = \sqrt{H \times \frac{Pa}{Pstd} \times \frac{Tstd}{Ta}}$$

$$Qstd = \frac{1}{m} \times (\sqrt{H \times \frac{Pa}{Pstd} \times \frac{Tstd}{Ta}} - b)$$

Standard pressure (mmHg) Pstd:	756.9
Standard temp. (K) Tstd:	297.18
Calibration pressure (mmHg) Pa:	755.5
Calibration temp. (K) Ta:	300.2

Sample no.	Pressure Drop (H), inch	Flow (corrcted), m^3/min	Actual flow rate (Qstd), m^3/min	Flow indication (I), arbitrary
1	6.5	2.538	1.260	59.0
2	5.6	2.356	1.170	48.0
3	4.8	2.181	1.084	42.0
4	3.9	1.966	0.978	34.0
5	3.0	1.724	0.859	25.0

Correlation Coefficient : 0.9943



Remark
1HPa = 0.750062 mmHg

Calibrated by: **Hui Chun Ming** **Date:** 18.8.08
( )

Checked by: **Tang Hiu Yeung** **Date:** 18.8.08
( )

High Volume Air Sampler Calibration Worksheet

Project Title: Design and Construction of Tsuen Wan Drainage Tunnel
Monitoring Location: Greenview Terrance
Calibration Date: 15-Aug-08
Calibration Due Date 15-Oct-08
Time: 16:28

Sampler Model:	TE5005X
Serial No.:	0646
Calibrator Orifice no.:	517N
Slope (m):	2.02953
Intercept (b):	-0.01939
Correction coeff. (r)	0.9999

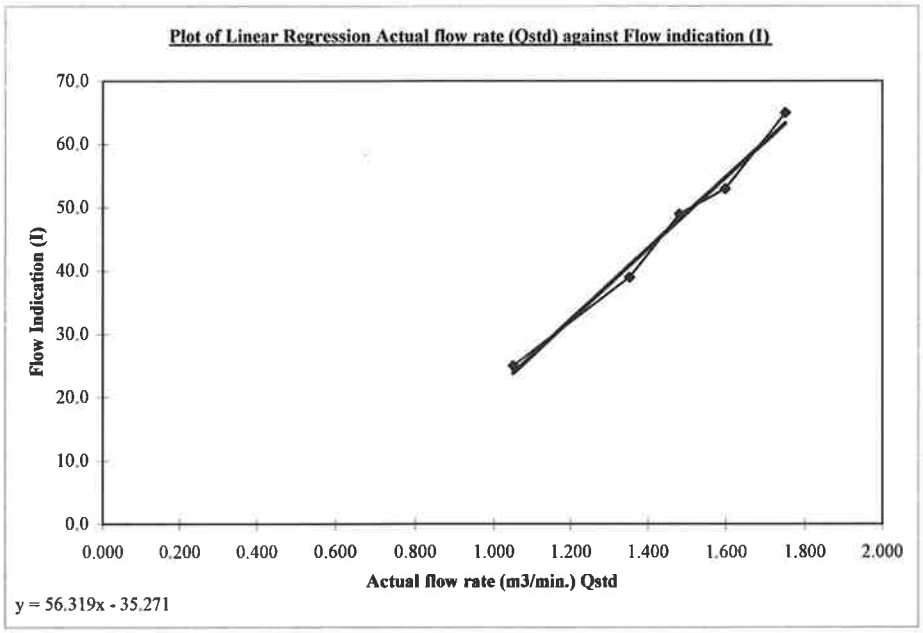
$$Flow(corrected) = \sqrt{H \times \frac{Pa}{Pstd} \times \frac{Tstd}{Ta}}$$

$$Qstd = \frac{1}{m} \times (\sqrt{H \times \frac{Pa}{Pstd} \times \frac{Tstd}{Ta}} - b)$$

Standard pressure (mmHg) Pstd:	756.9
Standard temp. (K) Tstd:	297.18
Calibration pressure (mmHg) Pa:	755.5
Calibration temp. (K) Ta:	300.2

Sample no.	Pressure Drop (H), inch	Flow (corrcted), m^3/min	Actual flow rate (Qstd), m^3/min	Flow indication (I), arbitrary
1	12.6	3.533	1.751	65.0
2	10.5	3.225	1.599	53.0
3	9.0	2.986	1.481	49.0
4	7.5	2.726	1.353	39.0
5	4.5	2.112	1.050	25.0

Correlation Coefficient : 0.9936



Remark
1HPa = 0.750062 mmHg

Calibrated by: Hui Chun Ming **Date:** 18.8.08
( )

Checked by: Tang Hiu Yeung **Date:** 18.8.08
( )

High Volume Air Sampler Calibration Worksheet

Project Title: Design and Construction of Tsuen Wan Drainage Tunnel
Monitoring Location: Heng Hoi Chi Hong Ship Temple
Calibration Date: 15-Aug-08
Calibration Due Date 15-Oct-08
Time: 08:28

Sampler Model:	BM2000HX
Serial No.:	5875
Calibrator Orifice no.:	517N
Slope (m):	2.02953
Intercept (b):	-0.01939
Correction coeff. (r)	0.9999

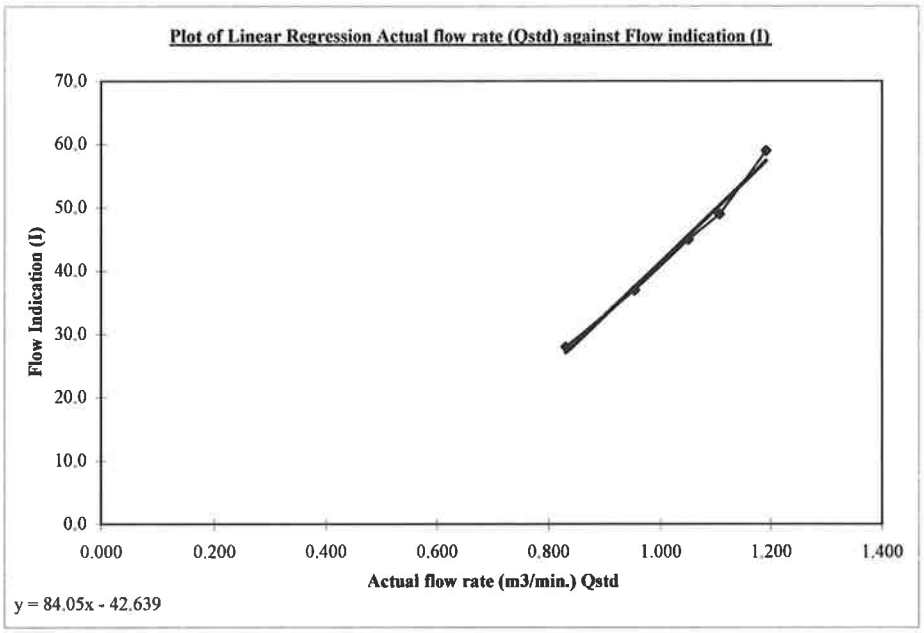
Standard pressure (mmHg) Pstd:	756.9
Standard temp. (K) Tstd:	297.18
Calibration pressure (mmHg) Pa:	755.5
Calibration temp. (K) Ta:	300.2

$$Flow(corrected) = \sqrt{H \times \frac{Pa}{Pstd} \times \frac{Tstd}{Ta}}$$

$$Qstd = \frac{1}{m} \times (\sqrt{H \times \frac{Pa}{Pstd} \times \frac{Tstd}{Ta}} - b)$$

Sample no.	Pressure Drop (H), inch	Flow (corrcted), m^3/min	Actual flow rate (Qstd), m^3/min	Flow indication (I), arbitrary
1	5.8	2.397	1.191	59.0
2	5.0	2.226	1.106	49.0
3	4.5	2.112	1.050	45.0
4	3.7	1.915	0.953	37.0
5	2.8	1.666	0.830	28.0

Correlation Coefficient : 0.9950



Remark
1HPa = 0.750062 mmHg

Calibrated by: **Hui Chun Ming** **Date:** 18-8-08
( )

Checked by: **Tang Hiu Yeung** **Date:** 18.8.08
( )

TISCH ENVIROMENTAL, INC.
145 SOUTH MIAMI AVE.
VILLAGE OF CLEVES, OH 45002
513.467.9000
877.263.7610 TOLL FREE
513.467.9009 FAX
WWW.TISCH-ENV.COM

AIR POLLUTION MONITORING EQUIPMENT

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Apr 28, 2008 Rootsmeter S/N 9833620 Ta (K) - 296
Operator - Tisch Orifice I.D. - 517N Pa (mm) - 749.3

PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER DIFF Hg (mm)	ORFICE DIFF H2O (in.)
1	NA	NA	1.00	1.4040	3.2	2.00
2	NA	NA	1.00	0.9940	6.4	4.00
3	NA	NA	1.00	0.8860	7.9	5.00
4	NA	NA	1.00	0.8450	8.8	5.50
5	NA	NA	1.00	0.6980	12.8	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)		Va	(x axis) Qa	(y axis)
0.9883	0.7039	1.4090		0.9957	0.7092	0.8889
0.9841	0.9901	1.9926		0.9915	0.9975	1.2570
0.9820	1.1084	2.2278		0.9894	1.1167	1.4054
0.9809	1.1608	2.3365		0.9882	1.1695	1.4740
0.9756	1.3977	2.8179		0.9829	1.4082	1.7777
Qstd slope (m) =		2.02953		Qa slope (m) =		1.27086
intercept (b) =		-0.01939		intercept (b) =		-0.01223
coefficient (r) =		0.99999		coefficient (r) =		0.99999
y axis = SQRT[H2O(Pa/760)(298/Ta)]				y axis = SQRT[H2O(Ta/Pa)]		

CALCULATIONS

Vstd = Diff. Vol[(Pa-Diff. Hg)/760](298/Ta)
Qstd = Vstd/Time

Va = Diff Vol [(Pa-Diff Hg)/Pa]
Qa = Va/Time

For subsequent flow rate calculations:

Qstd = 1/m{[SQRT(H2O(Pa/760)(298/Ta))]- b}
Qa = 1/m{[SQRT H2O(Ta/Pa)]- b}

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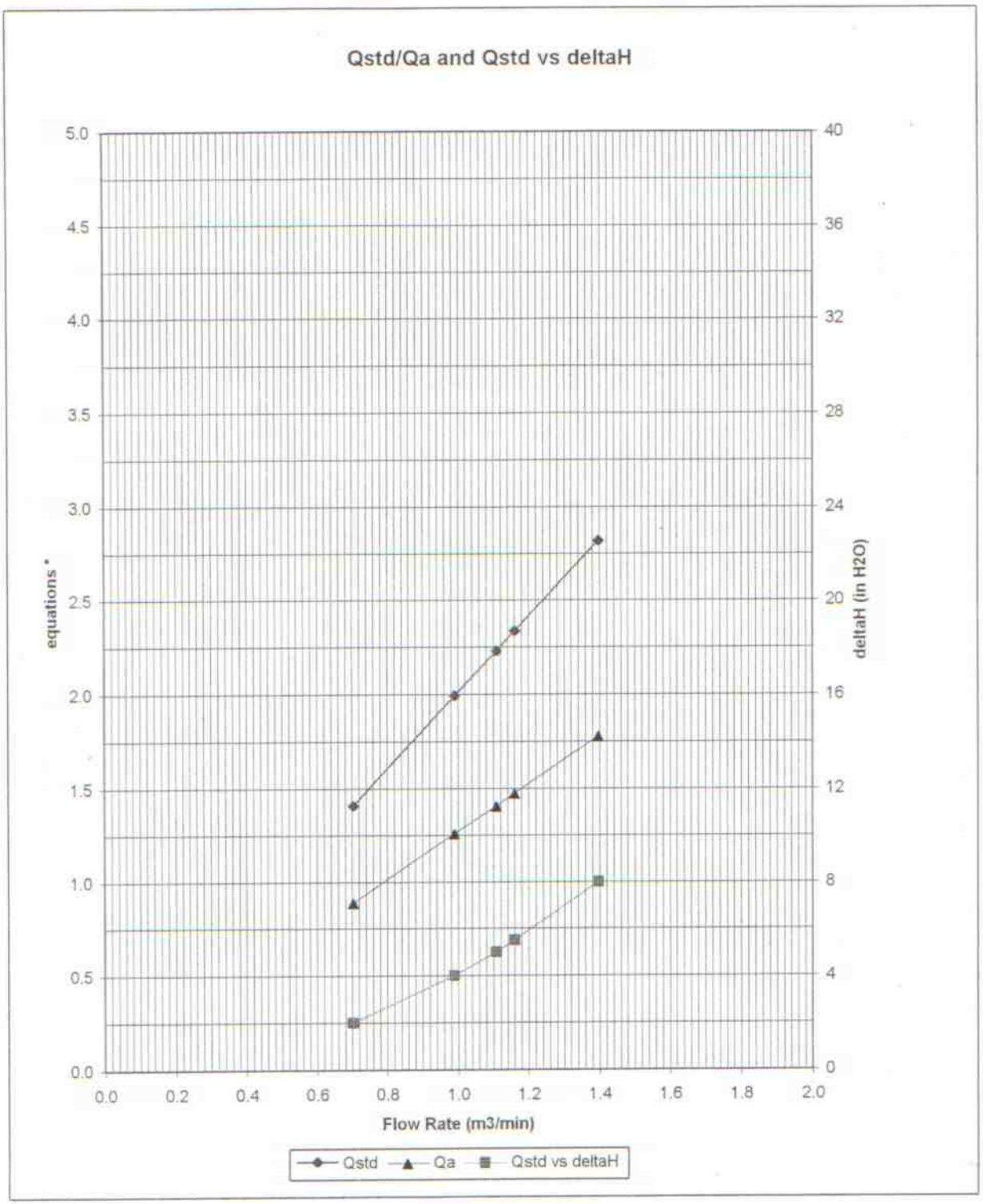
AIR POLLUTION MONITORING EQUIPMENT



#517N

*** y-axis equations:**

Qstd series: $\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$

Qa series: $\sqrt{(\Delta H\ (Ta\ /\ Pa))}$

Hong Kong Calibration Ltd.
香 港 校 正 有限公司

Calibration Certificate

Certificate No. **80026** Page 1 of 3 Pages

Customer : Hyder Consulting Limited

Address : Room 3801., Hopewell Centre, 183 Queen's Road East, Wan Chai, Hong Kong

Order No. : Q72325 **Date of receipt :** 3-Jan-08

Item Tested

Description : Sound Level Meter

Manufacturer : B&K

Model : 2238 **Serial No.** : 2285726

Test Conditions

Date of Test : 17-Jan-08 **Supply Voltage** : --

Ambient Temperature : (23 ± 3)°C **Relative Humidity :** (50 ± 25) %

Test Specifications

Calibration check.

Calibration procedure : Z01.

Test Results

All results were within the IEC 651 Type 1 & IEC 804 Type 1 specification.

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

Main Test equipment used:

Equipment No.	Description	Cert. No.	Due Date	Traceable to
S017	Multi-Function Generator	C071115	14-Mar-08	SCL-HKSAR
S024	Sound Level Calibrator	71791	16-Jul-08	NIM-PRC & SCL-HKSAR

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

The test equipment used for calibration are traceable to International System of Units (SI).
The test results apply to the above Unit-Under-Test only

Calibrated by : P.F. Wong

Approved by : Dorothy Cheuk

Date: 17-Jan-08

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

Calibration Certificate

Results :

1. SPL Accuracy

UUT Setting				Applied Value (dB)	UUT Reading (dB)
Range	Freq. Wgt.	Bandwith	Center Freq.		
20 ~ 100	A	BB/F	--	94.03	93.9
	A	BB/S	--		93.9
	C	BB/F	--		93.9
40 ~ 120	A	BB/F	--	94.03	94.0
	A	BB/F	--	113.97	113.8

IEC 651 Type 1 Spec. : ± 0.7 dB
Uncertainty : ± 0.1 dB

2. Level Stability : 0.0 dB

IEC 651 Type 1 Spec. : ± 0.3 dB
Uncertainty : ± 0.01 dB

3. Linearity

3.1 Level Linearity

UUT Range	Applied Value (dB)	UUT Reading (dB)	Variation (dB)	IEC 651 Type 1 Spec. (Primary Indicator Range)
140	114.0	114.0	0.0	± 0.7 dB
130	104.0	104.0	0.0	
120	94.0	94.0 (Ref.)	- -	
110	84.0	84.0	0.0	
100	74.0	74.0	0.0	
90	64.0	64.0	0.0	
80	54.0	54.0	0.0	

Uncertainty : ± 0.1 dB

3.2 Differential level linearity

UUT Range	Applied Value (dB)	UUT Reading (dB)	Variation (dB)	IEC 651 Type 1 Spec.
120	84.0	84.0	0.0	± 0.4 dB
	94.0	94.0 (Ref.)	- -	
	95.0	95.0	0.0	± 0.2 dB
	104.0	103.9	0.1	± 0.3 dB
	105.0	104.9	0.1	± 1.0 dB

Uncertainty : ± 0.1 dB

Calibration Certificate

4. Frequency Weighting

A weighting

Frequency	Attenuation (dB)	IEC 651 Type 1 Spec.
31.5 Hz	- 39.3	- 39.4 dB, ± 1.5 dB
63 Hz	- 26.1	- 26.2 dB, ± 1.5 dB
125 Hz	- 16.1	- 16.1 dB, ± 1 dB
250 Hz	- 8.7	- 8.6 dB, ± 1 dB
500 Hz	- 3.2	- 3.2 dB, ± 1 dB
1 kHz	0.0 (Ref)	0 dB, ± 1 dB
2 kHz	+ 1.2	+ 1.2 dB, ± 1 dB
4 kHz	+ 1.0	+ 1.0 dB, ± 1 dB
8 kHz	- 1.1	- 1.1 dB, + 1.5 dB ~ -3 dB
16 kHz	- 6.7	- 6.6 dB, + 3 dB ~ - ∞

Uncertainty : ± 0.1 dB

5. Time Averaging

Applied Burst duty Factor	Applied Leq Value (dB)	UUT Reading (dB)	IEC 804 Type 1 Spec.
continuous	40.0	40.0	--
1/10	40.0	39.9	± 0.5 dB
$1/10^2$	40.0	39.6	
$1/10^3$	40.0	39.4	± 1.0 dB
$1/10^4$	40.0	39.1	

Uncertainty : ± 0.1 dB

Remarks : 1. UUT : Unit-Under-Test
2. The uncertainty claimed is for a confidence probability of not less than 95%.
3. Atmospheric pressure : 1 015 hPa.

---------- END ----------

Hong Kong Calibration Ltd.
香港校正有限公司

Calibration Certificate

Certificate No. 80027 Page 1 of 2 Pages

Customer : Hyder Consulting Limited

Address : Room 3801., Hopewell Centre, 183 Queen's Road East, Wan Chai, Hong Kong

Order No. : Q72325 **Date of receipt :** 3-Jan-08

Item Tested

Description : Sound Level Calibrator

Manufacturer : B&K

Model : Type 4231 **Serial No.** : 1770806

Test Conditions

Date of Test : 17-Jan-08 **Supply Voltage :** --

Ambient Temperature : (23 ± 3)°C **Relative Humidity :** (50 ± 25) %

Test Specifications

Calibration check.

Calibration procedure : F21, Z02.

Test Results

All results were within the IEC 942 Class 1 specification.

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

Main Test equipment used:

Equipment No.	Description	Cert. No.	Due Date	Traceable to
S014	Spectrum Analyzer	73602	7-Jul-08	NIM-PRC & SCL-HKSAR
S024	Sound Level Calibrator	71791	16-Jul-08	NIM-PRC & SCL-HKSAR
S041	Universal Counter	73453	22-Aug-08	SCL-HKSAR

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

The test equipment used for calibration are traceable to International System of Units (SI).
The test results apply to the above Unit-Under-Test only

Calibrated by : P.F. Wong

Approved by : Dorothy Cheuk

Date: 17-Jan-08

This Certificate is issued by:
Hong Kong Calibration Ltd.
Unit 8B, 24/F., Well Fung Industrial Centre, No. 68-75, Ta Chuen Ping Street, Kwai Chung, NT, Hong Kong.
Tel: 2425 8801 Fax: 2425 8646

Wissenschaftlich-Technische Werkstätten GmbH
Dr.Karl-Slevogt-Str.1 D-82362 Weilheim

Manufacturer's Test Certificate
Hersteller - Prüfzertifikat

Product / Produkt:	**Multi-parameter instrument / Mehrparameter-Meßgerät**
Model / Modell:	**pH/Oxi 340i**
Serial no. / Serien-Nr.	**08101283**

The a.m. product has been checked by us and complies with the demanded specifications.

Accuracy of the pH measurement:
≤ 0,01 pH ± 1 digit

Accuracy of the voltage measurement:
≤ 1 mV ± 1 digit

Accuracy of the oxygen measurement:
≤ 0,5% of measured value ± 1 digit

Accuracy of the temperature measurement:
≤ 0,1 K ± 1 digit

The test equipment used for checking is regularly calibrated by means of a precision multimeter (HP 3458A, Ser.-No. 2823 A 09038) which itself is annually calibrated in a laboratory accredited to the national German Calibration Service DKD (EADS Deutschland GmbH, DKD-K-01901). This ensures the traceability to national and international standards.

Das oben genannte Produkt wurde von uns geprüft und entspricht den geforderten Spezifikationen.

Genauigkeit der pH-Messung:
≤ 0,01 pH ± 1 Digit

Genauigkeit der Spannungsessung:
≤ 1 mV ± 1 Digit

Genauigkeit der Sauerstoff-Messung:
≤ 0,5% vom Meßwert ± 1 Digit

Genauigkeit der Temperaturmessung:
≤ 0,1 K ± 1 Digit

Die zur Prüfung eingesetzten Prüfmittel werden regelmäßig anhand eines Präzisionsmultimeters (HP 3458A, Ser.-Nr. 2823 A 09038) kalibriert, das seinerseits jährlich in einem DKD-Labor kalibriert wird (EADS Deutschland GmbH, DKD-K-01901). Damit ist der Anschluß an nationale und internationale Normale gewährleistet.

Weilheim, 07.04.2008
WISSENSCHAFTLICH-TECHNISCHE WERKSTÄTTEN GMBH
Dr.K.Löhnert
Quality Manager / Leiter Qualitätssicherung

TEST REPORT

Report No. : 106189N
Project Name : Calibration of Field measurement equipment
Customer : Hyder Consulting Limited
Address : 47/F, Hopewell Centre, 183 Queen's Road East, Wanchai, Hong Kong

Lab Job No. : J651 **Lab Sample No.** : 20840/1
Sample Description : One Turbidimeter and four turbidity standards.
Sample Receipt Date : 21/4/2008 **Test Period** : 21/4/2008

Test Information

Test Parameter	Test Procedure
Calibraion of Turbidimeter and Turbidity Standard	In-house Method IC 42

Notes : 1. This report shall not be reproduced, except in full, without prior written approval from Lam Laboratories Limited.
2. Results related to sample(s) as received.
3. Results satisfy all in-house QA/QC protocols as attached.

Authorized Signatory : WONG Yau Tim (Operation Manager) **Issue Date** : 21/4/2008

TEST REPORT

Report No. : 106189N
Project Name : Calibration of Field measurement equipment
Customer : Hyder Consulting Limited
Lab Job No. : J651 **Lab Sample No.** : 20840/1

Test Results

Value re-assigmnemt for Turbidity Standards:

Customer Ref.	Measured value (NTU)
STD 1	0.01
STD 2	19.52
STD 3	103
STD 4	883

Linearity check for Turbidimeter:

Serial No.	Linearity range (NTU)
215619	0-100

- End of Report -

TEST REPORT

Report No. : 106627N
Project Name : Calibration of Field measurement equipment
Customer : Hyder Consulting Limited
Address : 47/F, Hopewell Centre, 183 Queen's Road East, Wanchai, Hong Kong

Lab Job No. : J651 **Lab Sample No.** : 21151/1
Sample Description : One Turbidimeter and four turbidity standards.
Sample Receipt Date : 18-07-2008 **Test Period** : 19-07-2008

Test Information

Test Parameter	Test Procedure
Calibraion of Turbidimeter and Turbidity Standard	In-house Method IC 42

Notes :
1. This report shall not be reproduced, except in full, without prior written approval from Lam Laboratories Limited.
2. Results related to sample(s) as received.
3. Results satisfy all in-house QA/QC protocols as attached.

Authorized Signatory :

WONG Yau Tim
(Operation Manager)

Issue Date : 21-07-2008

TEST REPORT

Report No. : 106627N
Project Name : Calibration of Field measurement equipment
Customer : Hyder Consulting Limited
Lab Job No. : J651 **Lab Sample No.** : 21151/1

Test Results

Value re-assigmnemt for Turbidity Standards:

Customer Ref.	Measured value (NTU)
STD 1	0.03
STD 2	17.99
STD 3	101
STD 4	893

Linearity check for Turbidimeter:

Serial No.	Linearity range (NTU)
215619	0-100

- End of Report -

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

ALS TECHNICHEM (HK) Pty Ltd
Environmental Division

CERTIFICATE OF ANALYSIS

CONTACT:	MR DESMOND CHAN	**Batch:**	HK0810543
CLIENT:	HYDER CONSULTING LTD	**LABORATORY:**	HONG KONG
ADDRESS:	47/F, HOPEWELL CENTRE,	**DATE RECEIVED:**	04/07/2008
	183 QUEEN'S ROAD EAST,	**DATE OF ISSUE:**	07/07/2008
	WANCHAI, HONG KONG	**SAMPLE TYPE:**	EQUIPMENT
PROJECT :	TWDT TSUEN WAN DRAINAGE TUNNEL	**No. of SAMPLES:**	1

COMMENTS

The calibration procedure used for the analysis has been applied for the calibration of the above instrument.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.
Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

ISSUING LABORATORY: HONG KONG

Address

ALS Technichem (HK) Pty Ltd

11/F
Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung
HONG KONG

Phone: 852-2610 1044
Fax: 852-2610 2021
Email: hongkong@alsenviro.com

Ms Wong Wai Man, Alice
Laboratory Manager - Hong Kong

Other ALS Environmental Laboratories

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Melbourne	*Singapore*	*Santiago*
Sydney	*Kuala Lumpur*	*Arntofagasta*
Newcastle	*Bogor*	*Lima*

Abbreviations: *% SPK REC denotes percentage spike recovery*
CHK denotes duplicate check sample
LOR denotes limit of reporting
LCS % REC denotes Laboratory Control Sample percentage recovery

CERTIFICATE OF ANALYSIS

Batch: HK0810543
Date of Issue: 07/07/2008
Client: HYDER CONSULTING LTD
Client Reference:

Calibration of pH System

Item : Multi-parameter Instrument / Mehrparameter-MeBgerat

Model No. : WTW pH / Oxi 340i

Serial No. : 08101283

Equipment No.: --

Calibration Method : This meter was calibrated in accordance with standard method APHA (19th Ed.) 4500-H^+B

Date of Calibration : 07 July, 2008

Testing Results :

Expected Reading	Recording Reading
4.00	4.11
7.00	7.07
10.0	9.86
Allowing Deviation	± 0.2

Ms Wong Wai Man, Alice
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0810543
Date of Issue: 07/07/2008
Client: HYDER CONSULTING LTD
Client Reference:

Calibration of Thermometer

Item : Multi-parameter Instrument / Mehrparameter-MeBgerat

Model No. : WTW pH / Oxi 340i

Serial No. : 08101283

Equipment No. : --

Calibration Method : In-house Method

Date of Calibration : 07 July, 2008

Testing Results :

Reference Temperature (^{0}C)	Recorded Temperature (^{0}C)
19.0 °C 27.5 °C	19.1 °C 27.3 °C
Allowing Deviation	±2.0^{0}C

Ms Wong Wai Man, Alice
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0810543
Date of Issue: 07/07/2008
Client: HYDER CONSULTING LTD
Client Reference:

Calibration of DO System

Item : Multi-parameter Instrument / Mehrparameter-MeBgerat

Model No. : WTW pH / Oxi 340i

Serial No. : 08101283

Equipment No. : --

Calibration Method : This meter was calibrated in accordance with standard method APHA (18th Ed.) 4500-0C & G

Date of Calibration : 07 July, 2008

Testing Results :

Expected Reading	Recording Reading
4.19 mg/L 5.79 mg/L 7.72 mg/L	4.28 mg/L 5.73 mg/L 7.86 mg/L
Allowing Deviation	±0.2 mg/L

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