Annex D1

Calibration Certificates for Dust Monitoring Equipment



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Calibration Report of High Volume Air Sampler

Manufacturer

Graseby 105

Date of Calibration

26 March 2021

Serial No.

9795 (ET/EA/003/18)

Calibration Due Date

25 May 2021

Method

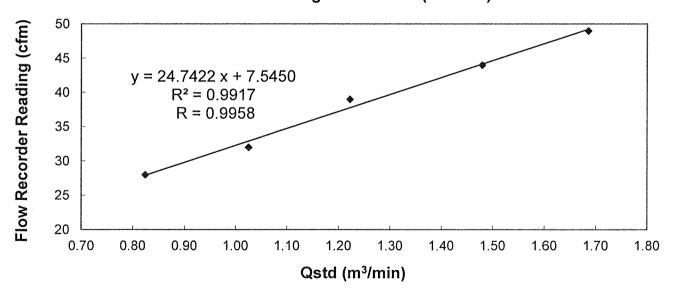
Five-point calibration by using standard calibration kit Tisch TE-5025A refer to the

Operations Manual

Results

Flow recorder reading (cfm)		49	44	39	32	28
Qstd (Actual flow rate, m³/min)		1.69	1.48	1.22	1.03	0.82
Pressure :	762.06 mm Hg		Temp. :	298	К	

Sampler 9795 Calibration Curve Site: Tseung Kwan O 137 (TKO-A1)



Acceptance Criteria: Correlation coefficient (r) of the calibration curve greater than 0.990 after a 5-point calibration

The high volume sampler complies* / does not comply* with the specified requirements and is deemed acceptable*/ unacceptable* for use.

Calibrated by:

MAK, Kei Wai

(Assistant Supervisor)

Checked by :

LAU, Chi Leung

(Environmental Team Leader)



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<u>Calibration Report</u> of

High Volume Air Sampler

Manufacturer

Graseby 105

Date of Calibration

24 May 2021

Serial No.

9795 (ET/EA/003/18)

Calibration Due Date

23 July 2021

Method

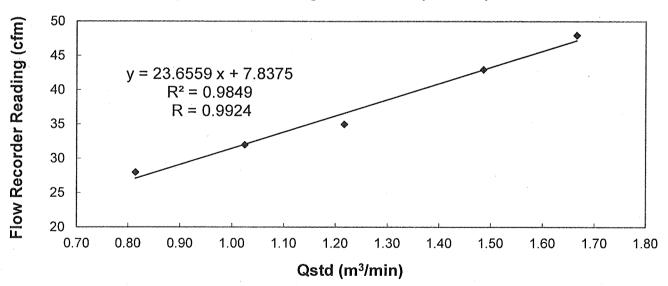
Five-point calibration by using standard calibration kit Tisch TE-5025A refer to the

Operations Manual

Results

Flow recorder reading (cfm)		48	43	35	32	28
Qstd (Actual flow rate, m³/min)		1.67	1.49	1.22	1.02	0.81
Pressure :	756.81 mm Hg		Temp. :	303	K	

Sampler 9795 Calibration Curve Site: Tseung Kwan O 137 (TKO-A1)



Acceptance Criteria: Correlation coefficient (r) of the calibration curve greater than 0.990 after a 5-point calibration

The high volume sampler complies* / does not comply* with the specified requirements and is deemed acceptable*/ unacceptable* for use.

Calibrated by:

LIAO, Yun Chao (Technician) Checked by :

LAU, Chi Leung

(Environmental Team Leader)



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Calibration Report of High Volume Air Sampler

Manufacturer

Andersen G1051

Date of Calibration

26 March 2021

Serial No.

1176 (ET/EA/003/05)

Calibration Due Date

25 May 2021

Method

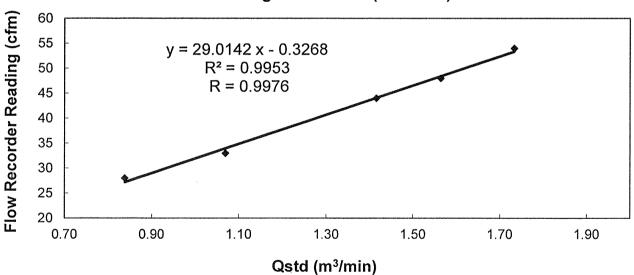
Based on Operations Manual for the 5-point calibration using standard calibration kit

manufactured by Tisch TE-5025 A

Results

Flow recorder reading (cfm)		54	48	44	33	28
Qstd (Actual flow rate, m³/min)		1.73	1.56	1.42	1.07	0.84
Pressure :	762.06 mm Hg		Temp.:	298	K	

Sampler 1176 Calibration Curve Site: Tseung Kwan O 137 (TKO-A2a)



Acceptance Criteria: Correlation coefficient (r) of the calibration curve greater than 0.990 after a 5-point calibration

The high volume sampler complies* / does not comply* with the specified requirements and is deemed acceptable* / unacceptable * for use.

Calibrated by:

MAK, Kei Wai

(Assistant Supervisor)

Checked by :

ĽAU, Chi Leung

(Environmental Team Leader)



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Calibration Report of High Volume Air Sampler

Manufacturer

Andersen G1051

Date of Calibration

24 May 2021

Serial No.

1176 (ET/EA/003/05)

Calibration Due Date

23 July 2021

Method

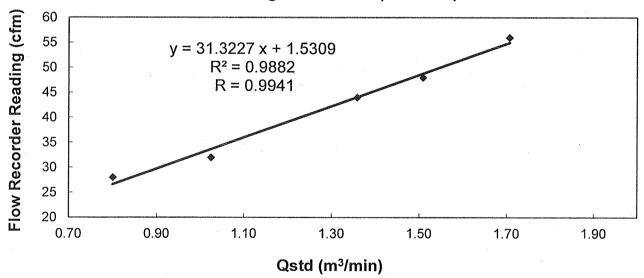
Based on Operations Manual for the 5-point calibration using standard calibration kit

manufactured by Tisch TE-5025 A

Results

Flow recorder reading (cfm)		56	48	44	32	28
Qstd (Actual flow rate, m³/min)		1.71	1.51	1.36	1.02	0.80
Pressure :	756.81 mm Hg		Temp. :	303	K	

Sampler 1176 Calibration Curve Site: Tseung Kwan O 137 (TKO-A2a)



Acceptance Criteria: Correlation coefficient (r) of the calibration curve greater than 0.990 after a 5-point calibration

The high volume sampler complies* / does not comply* with the specified requirements and is deemed acceptable* / unacceptable * for use.

Calibrated by:

LIAO, Yun Chao (Technician) Checked by

LAU, Chi Leung

(Environmental Team Leader)