

## **Appendix E. Calibration Certificates**

## EQUIPMENT CALIBRATION RECORD

Type : Laser Dust Monitor  
 Manufacturer / Brand : SIBATA  
 Model No.: LD-3B  
 Equipment No.: LD-3B-001  
 Serial No.: 934393  
 Sensitivity Adjustment Scale Setting : 640 CPM

### Standard Equipment

Equipment : MFC High Volume Air Sampler  
 Venue : Tung Chung Pier  
 Model No.: TE-5170 Total Suspended Particulate  
 Serial No.: S/N3641

Previous Calibration Date 29/09/2016

### Calibration Result

Sensitivity Adjustment Scale Setting (Before Calibration) : 640 CPM  
 Sensitivity Adjustment Scale Setting (After Calibration) : 640 CPM

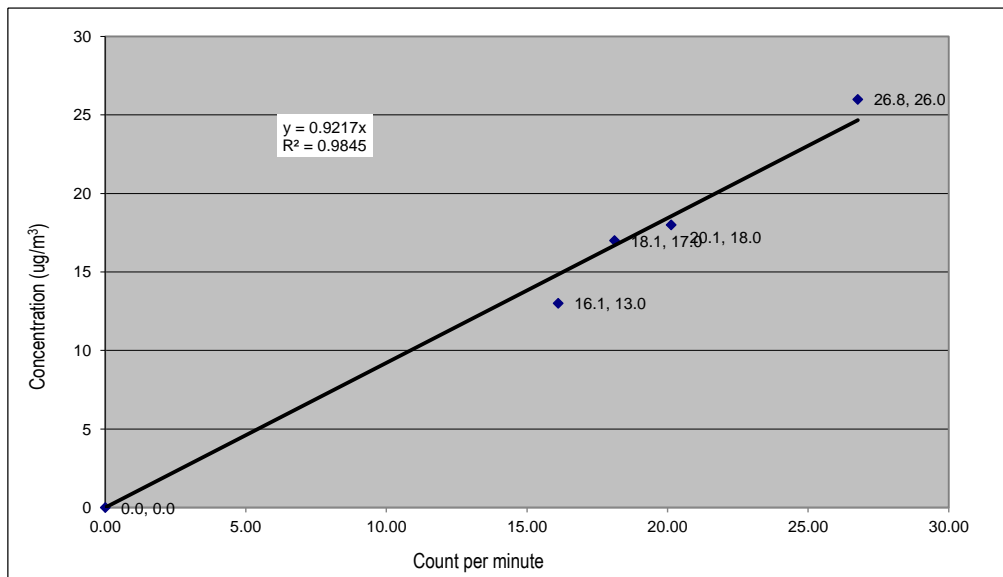
Hour	Date (dd-mmm-yy)	Time		Ambient Condition		Concentration ( $\mu\text{g}/\text{m}^3$ ) Y-axis	Total Count	Count/Minute X-axis
				Temp ( $^{\circ}\text{C}$ )	R.H. (%)			
1	26/10/2016	13:59	14:59	30.7	64%	18	1208	20.13
2	26/10/2016	15:12	16:12	30.9	59%	13	967	16.12
3	26/10/2016	16:21	17:21	30.9	61%	17	1087	18.12
4	26/10/2016	17:30	18:30	30.9	61%	26	1606	26.77

Be Linear Regression of Y or X

Slope (K-factor): 0.9217

Correlation coefficient (R): 0.993

Remark: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Recorded by: Ray Cheng

Signature: 

Date: 25/11/2016

Checked by: Ketih Chau

Signature: 

Date: 25/11/2016

## EQUIPMENT CALIBRATION RECORD

Type : Laser Dust Monitor  
 Manufacturer / Brand : SIBATA  
 Model No.: LD-3B  
 Equipment No.: LD-3B-003  
 Serial No.: 276018  
 Sensitivity Adjustment Scale Setting : 799 CPM

### Standard Equipment

Equipment : MFC High Volume Air Sampler  
 Venue : Tung Chung Pier  
 Model No.: TE-5170 Total Suspended Particulate  
 Serial No.: S/N3641

Previous Calibration Date 29/09/2016

### Calibration Result

Sensitivity Adjustment Scale Setting (Before Calibration) : 799 CPM  
 Sensitivity Adjustment Scale Setting (After Calibration) : 799 CPM

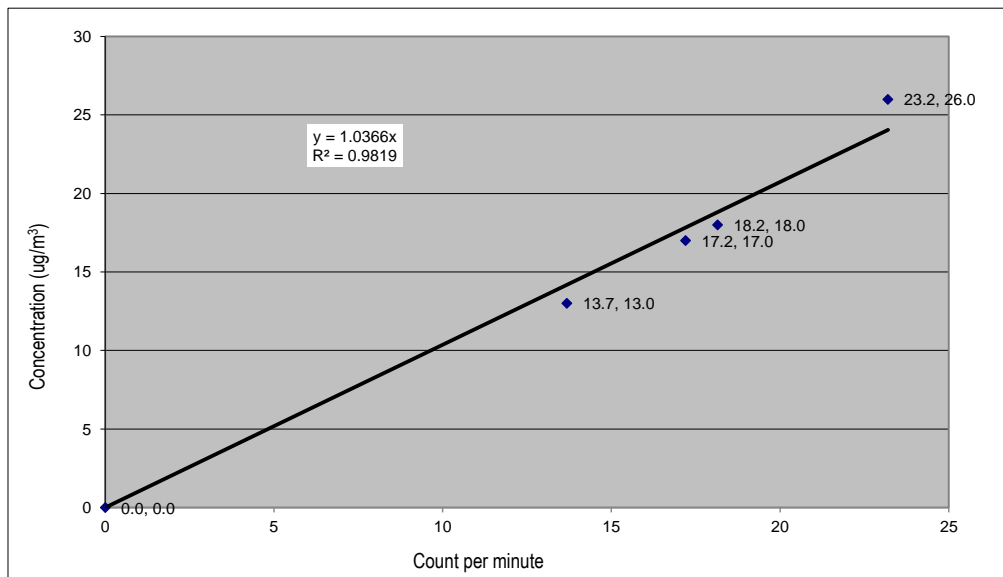
Hour	Date (dd-mmm-yy)	Time		Ambient Condition		Concentration ( $\mu\text{g}/\text{m}^3$ ) Y-axis	Total Count	Count/Minute X-axis
				Temp ( $^{\circ}\text{C}$ )	R.H. (%)			
1	26/10/2016	13:59	14:59	30.7	64%	18	1089	18.15
2	26/10/2016	15:12	16:12	30.9	59%	13	821	13.68
3	26/10/2016	16:21	17:21	30.9	61%	17	1032	17.20
4	26/10/2016	17:30	18:30	30.9	61%	26	1392	23.20

Be Linear Regression of Y or X

Slope (K-factor): 1.0415

Correlation coefficient : 0.9919

Remark: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Recorded by: Ray Cheng

Signature: 

Date: 25/11/2016

Checked by: Ketih Chau

Signature: 

Date: 25/11/2016