

Report No. : 221149WA220558



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**Report on Calibration of HORIBA Multifunction Meter****Information Supplied by Client**

Client : ENVIROTECH SERVICE COMPANY

Client's address : RM113, 1/F, MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T.,  
HONG KONG**Calibration Item**Description : Multifunctional Meter  
Manufacturer : HORIBA  
Model : U-5000  
Serial No. : -  
Equipment No. : LUAVCDWU**Laboratory Information**

Lab. sample ID : WA220558/1

Date sample received : 18/03/2022

Date of calibration : 21/03/2022

Next calibration date : 20/06/2022

Test method used : In-house comparison method

*Note : This report refers only to the sample(s) tested and the result(s) applied to the sample(s) as received.*

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**Results :**
**A. pH calibration**

pH value at 25°C			
Theoretical	Measured	Deviation (pH value)	Maximum acceptable Deviation (pH value)
4.0	3.90	-0.10	±0.20
7.0	7.01	+0.01	
10.0	10.00	0.00	

**B. Salinity calibration**

Salinity, ppt			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
0	0.03	-	±10.0
10	10.70	+7.0	
20	20.89	+4.5	
30	30.80	+2.7	
40	40.65	+1.6	

**C. Dissolved Oxygen calibration**

Dissolved oxygen content, mg/L			
Theoretical	Measured	Deviation (mg/L)	Maximum acceptable Deviation (mg/L)
4.85	4.89	+0.04	±0.20
6.95	6.80	-0.15	
8.26	8.41	+0.15	

 Certified by : Chan Hoi Yan  
 Approved Signatory : CHAN Hoi Yan, Winnie  
 Assistant Manager

 Date : 24-3-2022
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**Results :**

**D. Temperature calibration**

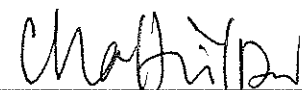
Temperature, °C			
Thermometer reading	Measured	Deviation (°C)	Maximum acceptable Deviation (°C)
10.5	10.21	-0.29	±2.0
20.3	20.53	+0.23	
40.2	39.99	-0.21	

**E. Turbidity calibration**

Turbidity, N.T.U.			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
0	0.18	-	±10.0
4	3.98	-0.5	
40	39.5	-1.3	
80	80.6	+0.8	
400	398	-0.5	
800	803	+0.4	

**F. Conductivity calibration**

Conductivity, µS/cm			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
146.9	152	+3.5	±10.0
1408	1520	+8.0	
6667	6530	-2.1	
12890	13500	+4.7	
24820	25100	+1.1	

Certified by :   
Approved Signatory : CHAN Hoi Yan, Winnie  
Assistant Manager

Date : 24-3-2022

**\*\* End of Report \*\***

*Note : This report refers only to the sample(s) tested and the result(s) applied to the sample(s) as received.*

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**Report on Calibration of HORIBA Multifunction Meter****Information Supplied by Client**

Client : ENVIROTECH SERVICE COMPANY

Client's address : RM721, 7/F, MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T.,  
HONG KONG**Calibration Item**

Description : Multifunctional Meter

Manufacturer : HORIBA

Model : U-5000

Serial No. : -

Equipment No. : UAMJ30TE

**Laboratory Information**

Lab. sample ID : WA221156/1

Date sample received : 01/06/2022

Date of calibration : 10/06/2022

Next calibration date : 09/09/2022

Test method used : In-house comparison method

*Note : This report refers only to the sample(s) tested and the result(s) applied to the sample(s) as received.*

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**Results :**
**A. pH calibration**

pH value at 25°C			
Theoretical	Measured	Deviation (pH value)	Maximum acceptable Deviation (pH value)
4.0	3.98	-0.02	±0.20
7.0	6.99	-0.01	
10.0	9.90	-0.10	

**B. Salinity calibration**

Salinity, ppt			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
0	0.01	+0.01	±10.0
10	10.34	+0.34	
20	20.30	+0.30	
30	30.28	+0.28	
40	39.89	-0.11	

**C. Dissolved Oxygen calibration**

Dissolved oxygen content, mg/L			
Theoretical	Measured	Deviation (mg/L)	Maximum acceptable Deviation (mg/L)
8.15	8.15	0.00	±0.20
5.14	4.99	-0.15	

 Certified by : Chan Hoi Yan  
 Approved Signatory : CHAN Hoi Yan, Winnie  
 Assistant Manager

 Date : 16-6-2022
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**Results :**
**D. Temperature calibration**

Temperature, °C			
Thermometer reading	Measured	Deviation (°C)	Maximum acceptable Deviation (°C)
10.0	10.91	+0.91	±2.0
21.8	22.39	+0.59	
39.5	39.86	+0.36	

**E. Turbidity calibration**

Turbidity, N.T.U.			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
0	0.00	-	±10.0
4	3.82	-0.18	
40	40.2	-0.18	
80	79.5	+0.8	
400	397	-0.5	
800	805	+0.4	

**F. Conductivity calibration**

Conductivity, µS/cm			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
146.9	152	+3.5	±10.0
1408	1520	+8.0	
6667	6530	-2.1	
12890	13500	+4.7	
24820	25100	+1.1	

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 Assistant Manager

 Date : 16.6.2022
**\*\* End of Report \*\***
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