

Report No. : 221149WA231108



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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-53
Serial No. : -
Equipment No. : FXMONLLF**Laboratory Information**

Lab. sample ID : WA231108/1

Date sample received : 10/05/2023

Date of calibration : 13/05/2023

Next calibration date : 12/08/2023

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	4.01	+0.01	±0.20
7.0	7.00	0	
10.0	10.00	0	

B. Salinity calibration

Salinity, ppt			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
1	1.04	+4.0	±10.0
10	10.35	+3.5	
20	20.81	+4.0	
30	30.85	+2.8	
40	41.93	+4.8	

C. Dissolved Oxygen calibration

Dissolved oxygen content, mg/L			
Theoretical	Measured	Deviation (mg/L)	Maximum acceptable Deviation (mg/L)
8.44	8.60	+0.16	±0.20
7.52	7.58	+0.06	
4.54	4.53	-0.01	

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

 Date : 25-5-2023
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Results :

D. Temperature calibration

Temperature, °C			
Thermometer reading	Measured	Deviation (°C)	Maximum acceptable Deviation (°C)
25.1	25.0	-0.1	±2.0

E. Turbidity calibration

Turbidity, N.T.U.			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
0	0.01	-	±10.0
40	38	-5.0	
80	81	+1.3	
400	433	+8.3	
800	796	-0.5	

F. Conductivity calibration

Conductivity, µS/cm			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
147	150	+2.0	±10.0
1408	1450	+3.0	
6668	6710	+0.6	
12860	13200	+2.6	
24820	25900	+4.4	

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

Date : 25/5/2013
 ** End of Report **

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