

Report No. : 221149WA222493



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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. : UAMJ30TE

Equipment No. : KP23RRSM

**Laboratory Information**

Lab. sample ID : WA222493/1

Date sample received : 25/11/2022

Date of calibration : 02/12/2022

Next calibration date : 01/03/2023

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)
4.00	4.00	0.00	±0.20
6.86	6.81	-0.05	

**B. Salinity calibration**

Salinity, ppt			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
1	1.05	+4.8	±10.0
10	10.48	+4.6	
20	20.84	+4.0	
30	31.00	+3.3	
40	41.68	+4.0	

**C. Dissolved Oxygen calibration**

Dissolved oxygen content, mg/L			
Theoretical	Measured	Deviation (mg/L)	Maximum acceptable Deviation (mg/L)
8.26	8.09	-0.17	±0.90
5.7	4.87	-0.83	

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

Date : 4-1-2023

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**Results :**
**D. Temperature calibration**

Temperature, °C			
Thermometer reading	Measured	Deviation (°C)	Maximum acceptable Deviation (°C)
22.4	22.61	+0.21	±2.0

**E. Turbidity calibration**

Turbidity, N.T.U.			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
4	4.33	+7.6	±10.0
40	38.4	-4.2	
100	101	+1.0	

**F. Conductivity calibration**

Conductivity, µS/cm			
Theoretical	Measured	Deviation (%)	Maximum acceptable Deviation (%)
147	155	+5.2	±10.0
1408	1440	+2.2	
6668	6520	-2.3	
12860	13300	+3.3	
24820	25000	+0.7	

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

Date : 4-1-2023  
**\*\* End of Report \*\***

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