



## REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: MR K.W.FAN  
CLIENT: ENVIROTECH SERVICES CO.  
ADDRESS: RM113, 1/F, MY LOFT, 9 HOI WING ROAD,  
TUEN MUN, N.T. HONG KONG

WORK ORDER: HK2152127  
SUB-BATCH: 0  
LABORATORY: HONG KONG  
DATE RECEIVED: 17-Dec-2021  
DATE OF ISSUE: 22-Dec-2021

### SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client. The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source. The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards. The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards. The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type: Multifunctional Meter  
Service Nature: Performance Check  
Scope: Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature  
Brand Name/ Model No.: [HORIBA]/ [U-53]  
Serial No./ Equipment No.: [KP23RRSM]/ [N/A]  
Date of Calibration: 20-December-2021

### GENERAL COMMENTS

This is the Final Report and supersedes any previous report(s) with this reference.

Ms. Lin Wai Yu, Iris  
Assistant Manager - Inorganics

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 Brand Name/ Model No.: [HORIBA]/ [U-53]  
 Serial No./ Equipment No.: [KP23RRSM]/ [N/A]  
 Date of Calibration: 20-December-2021      Date of Next Calibration: 20-March-2022

PARAMETERS:

Conductivity      Method Ref: APHA (21st edition), 2510B

Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)
146.9	151	+2.8
6667	6180	-7.3
12890	12700	-1.5
58670	53700	-8.5
	Tolerance Limit (%)	±10.0

Dissolved Oxygen      Method Ref: APHA (21st edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.91	3.99	+0.08
5.85	5.76	-0.09
8.56	8.48	-0.08
	Tolerance Limit (mg/L)	±0.20

pH Value      Method Ref: APHA (21st edition), 4500H: B

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	4.05	+0.05
7.0	6.92	-0.08
10.0	9.93	-0.07
	Tolerance Limit (pH unit)	±0.20

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

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PARAMETERS:

Turbidity Method Ref: APHA (21st edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.32	--
4	4.07	+1.8
40	41.7	+4.3
80	82.3	+2.9
400	419	+4.8
800	820	+2.5
	Tolerance Limit (%)	±10.0

Salinity Method Ref: APHA (21st edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.02	--
10	9.93	-0.7
20	19.91	-0.4
30	29.23	-2.6
	Tolerance Limit (%)	±10.0

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## PARAMETERS:

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical  
Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
10.5	10.08	-0.4
21.0	20.32	-0.7
39.5	38.76	-0.7
	Tolerance Limit (°C)	±2.0

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