



REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: MR K.W.FAN
CLIENT: ENVIROTECH SERVICES CO.
ADDRESS: RM 712, 7/F, MY LOFT,
9 HOI WING ROAD,
TUEN MUN, N.T. HK

WORK ORDER: HK2525840
SUB-BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 23-Jun-2025
DATE OF ISSUE: 27-Jun-2025

GENERAL COMMENTS

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.

This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

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.: [FXMONLLF]/ [N/A]

Date of Calibration: 26-June-2025

Ms. Cheng Sin Ying, May
Senior Chemist - Inorganics

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Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [HORIBA]/ [U-53]
Serial No./ Equipment No.: [FXMONLLF]/ [N/A]
Date of Calibration: 26-June-2025

Date of Next Calibration: 26-September-2025

PARAMETERS:

Conductivity

Method Ref: APHA (23rd edition), 2510B

Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)
146.9	147	+0.1
6667	6240	-6.4
12890	12500	-3.0
58670	53500	-8.8
	Tolerance Limit (%)	± 10.0

Dissolved Oxygen

Method Ref: APHA (23rd edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.17	2.21	+0.04
4.04	4.12	+0.08
7.16	7.22	+0.06
	Tolerance Limit (mg/L)	± 0.20

pH Value

Method Ref: APHA (23rd edition), 4500H: B

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.92	-0.08
7.0	6.91	-0.09
10.0	9.90	-0.10
	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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Serial No./ Equipment No.: [FXMONLLF]/ [N/A]
Date of Calibration: 26-June-2025

Date of Next Calibration: 26-September-2025

PARAMETERS:

Turbidity

Method Ref: APHA (23rd edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.70	--
4	4.2	+5.0
40	37.3	-6.8
80	76.9	-3.9
400	424	+6.0
800	768	-4.0
Tolerance Limit (%)		±10.0

Salinity

Method Ref: APHA (23rd edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.01	--
10	9.17	-8.3
20	18.60	-7.0
30	28.20	-6.0
Tolerance Limit (%)		±10.0

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Serial No./ Equipment No.: [FXMONLLF]/ [N/A]
Date of Calibration: 26-June-2025

Date of Next Calibration: 26-September-2025

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)
12.5	13.45	+0.9
19.0	19.22	+0.2
38.0	37.50	-0.5
	Tolerance Limit (°C)	±2.0

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

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WORK ORDER: HK2536910
SUB-BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 27-Aug-2025
DATE OF ISSUE: 03-Sep-2025

GENERAL COMMENTS

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.

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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: 02-September-2025

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2536910
SUB-BATCH: 0
DATE OF ISSUE: 03-Sep-2025
CLIENT: ENVIROTECH SERVICES CO.

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [HORIBA]/ [U-53]
Serial No./ Equipment No.: [KP23RRSM]/ [N/A]
Date of Calibration: 02-September-2025

Date of Next Calibration: 02-December-2025

PARAMETERS:

Conductivity

Method Ref: APHA (23rd edition), 2510B

Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)
146.9	148	+0.7
6667	6570	-1.5
12890	12600	-2.2
58670	55900	-4.7
	Tolerance Limit (%)	± 10.0

Dissolved Oxygen

Method Ref: APHA (23rd edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.39	2.51	+0.12
4.39	4.46	+0.07
6.41	6.48	+0.07
	Tolerance Limit (mg/L)	± 0.20

pH Value

Method Ref: APHA (23rd edition), 4500H: B

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.92	-0.08
7.0	6.90	-0.10
10.0	9.84	-0.16
	Tolerance Limit (pH unit)	± 0.20

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Brand Name/ Model No.: [HORIBA]/ [U-53]
Serial No./ Equipment No.: [KP23RRSM]/ [N/A]
Date of Calibration: 02-September-2025

Date of Next Calibration: 02-December-2025

PARAMETERS:

Turbidity

Method Ref: APHA (23rd edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.75	--
4	4.25	+6.3
40	40.3	+0.7
80	79.2	-1.0
400	384	-4.0
800	778	-2.8
Tolerance Limit (%)		±10.0

Salinity

Method Ref: APHA (23rd edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.36	-6.4
20	19.33	-3.4
30	28.61	-4.6
Tolerance Limit (%)		±10.0

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Date of Calibration: 02-September-2025

Date of Next Calibration: 02-December-2025

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)
12.0	13.37	+1.4
19.0	18.57	-0.4
39.0	37.45	-1.6
	Tolerance Limit (°C)	±2.0

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

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