



REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

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|----------|--|----------------|-------------|
| CONTACT: | BEN TAM | WORK ORDER: | HK2103650 |
| CLIENT: | ACTION UNITED ENVIRONMENT SERVICES AND CONSULTING | | |
| ADDRESS: | RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG | SUB-BATCH: | 0 |
| | | LABORATORY: | HONG KONG |
| | | DATE RECEIVED: | 26-Jan-2021 |
| | | DATE OF ISSUE: | 02-Feb-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.

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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.: | YSI Professional DSS |
| Serial No./ Equipment No.: | 20J101862/ 15H103928 (EQW018) |
| Date of Calibration: | 01-February-2021 |

GENERAL COMMENTS

This is the Final Report and supersedes any preliminary report with this batch number.

Mr Chan Siu Ming, Vico
Manager - Inorganic

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Equipment Type: Multifunctional Meter
 Brand Name/ Model No.: YSI Professional DSS
 Serial No./ Equipment No.: 20J101862/ 15H103928 (EQW018)
 Date of Calibration: 01-February-2021 Date of Next Calibration: 01-May-2021

PARAMETERS:

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

| Expected Reading ($\mu\text{S/cm}$) | Displayed Reading ($\mu\text{S/cm}$) | Tolerance (%) |
|---------------------------------------|--|---------------|
| 146.9 | 145.2 | -1.2 |
| 6667 | 6679 | +0.2 |
| 12890 | 12970 | +0.6 |
| 58670 | 57892 | -1.3 |
| | Tolerance Limit (%) | ± 10.0 |

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

| Expected Reading (mg/L) | Displayed Reading (mg/L) | Tolerance (mg/L) |
|-------------------------|--------------------------|------------------|
| 3.86 | 3.92 | +0.06 |
| 5.32 | 5.28 | -0.04 |
| 8.87 | 8.82 | -0.05 |
| | 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 | 4.16 | +0.16 |
| 7.0 | 7.06 | +0.06 |
| 10.0 | 10.02 | +0.02 |
| | 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 | 0.53 | -- |
| 4 | 4.06 | +1.5 |
| 40 | 39.72 | -0.7 |
| 80 | 83.12 | +3.9 |
| 400 | 425.24 | +6.3 |
| 800 | 789.11 | -1.4 |
| | Tolerance Limit (%) | ±10.0 |

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

| Expected Reading (ppt) | Displayed Reading (ppt) | Tolerance (%) |
|------------------------|-------------------------|---------------|
| 0 | 0.01 | -- |
| 10 | 9.97 | -0.3 |
| 20 | 19.92 | -0.4 |
| 30 | 30.76 | +2.5 |
| | Tolerance Limit (%) | ±10.0 |

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Date of Calibration: 01-February-2021 Date of Next Calibration: 01-May-2021

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 | 10.3 | -0.2 |
| 20.5 | 20.2 | -0.3 |
| 39.5 | 39.1 | -0.4 |
| | Tolerance Limit (°C) | ±2.0 |

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A handwritten signature in black ink, appearing to read 'Chan Siu Ming'.

Mr Chan Siu Ming, Vico
Manager - Inorganic