



ANNEX F4

CALIBRATION CERTIFICATES FOR
EFFLUENT QUALITY MONITORING
EQUIPMENT



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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

| | | | |
|-----------------|---|-----------------------|-------------|
| CONTACT: | MR IVAN LEUNG | WORK ORDER: | HK2409677 |
| CLIENT: | ALS TECHNICHEM (HK) PTY LTD | SUB-BATCH: | 0 |
| ADDRESS: | 11/F., CHUNG SHUN KNITTING CENTRE, 1-3 WING YIP STREET, KWAI CHUNG, N.T. | LABORATORY: | HONG KONG |
| | | DATE RECEIVED: | 11-Mar-2024 |
| | | DATE OF ISSUE: | 14-Mar-2024 |

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This report superseded any previous report(s) with same work order number.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: | pH meter |
| Service Nature: | Performance Check |
| Scope: | pH Value and Temperature |
| Brand Name/ Model No.: | [LUTRON]/ [PH-208] |
| Serial No./ Equipment No.: | [AL.59355/TF31039]/ [HK2141] |
| Date of Calibration: | 12-March-2024 |

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2409677
SUB-BATCH: 0
DATE OF ISSUE: 14-Mar-2024
CLIENT: ALS TECHNICHEM (HK) PTY LTD

Equipment Type: pH meter
Brand Name/ Model No.: [LUTRON]/ [PH-208]
Serial No./ Equipment No.: [AL.59355/TF31039]/ [HK2141]
Date of Calibration: 12-March-2024 Date of Next Calibration: 12-June-2024

PARAMETERS:

pH Value

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

| Expected Reading (pH unit) | Displayed Reading (pH unit) | Tolerance (pH unit) |
|----------------------------|-----------------------------|---------------------|
| 4.0 | 4.11 | +0.11 |
| 7.0 | 7.05 | +0.05 |
| 10.0 | 10.01 | +0.01 |
| | Tolerance Limit (pH unit) | ±0.20 |

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) |
|-----------------------|------------------------|----------------|
| 7.5 | 8.4 | +0.9 |
| 22.5 | 22.8 | +0.3 |
| 44.0 | 43.8 | -0.2 |
| | Tolerance Limit (°C) | ±2.0 |

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics