



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **MUHARRAQ WASTEWATER SERVICES COMPANY WLL**

BUILDING #200, ROAD #13, BLOCK #115  
HIDD, 10894, BAHRAIN

**Testing Laboratory TL-695**

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date May 13, 2024



A handwritten signature in black ink that reads 'Raj Nathan'.

**President**

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## MUHARRAQ WASTEWATER SERVICES COMPANY WLL

[www.muharraqstp.com](http://www.muharraqstp.com)

**Contact Name** Mr. Binu Mathew

**Contact Phone** +973-38853379

*Accredited to ISO/IEC 17025:2017*

*Effective Date May 13, 2024*

|                         |  |
|-------------------------|--|
| EPA 413.2               | Analysis of oil and grease by IR spectrometry                                |
| EPA 418.1-ASTM D 7066   | Analysis of total petroleum hydrocarbon                                      |
| HACH 8021/8167          | Analysis of chlorine, DPD method   |
| HACH 8028               | Analysis of surfactants, anionic (detergents), crystal violet method         |
| HACH 8038               | Analysis of nitrogen-ammonia (Nessler's method)                              |
| HACH 80474              | Analysis of phenols, 4-aminoantipyrine method                                |
| HACH 8051               | Analysis of sulfate, SulfaVer® 4 method                                      |
| HACH 8131               | Analysis of hydrogen sulphide by HACH (methylene blue method)                |
| HACH 8178               | Analysis of phosphorous, reactive (orthophosphate), amino acid method        |
| HACH 10029 m-ColiBlue24 | Analysis of total and e-coli form  |
| HACH 10360              | Analysis of dissolved oxygen   |
| HACH LCK 114/314/514    | Analysis of chemical oxygen demand   |
| HACH LCK 338/138        | Analysis of total nitrogen   |
| HACH LCK 340/8039       | Analysis of nitrate nitrogen   |
| HACH LCK 341/8507       | Analysis of nitrite nitrogen   |
| HACH LCK 348/350        | Analysis of total phosphorous  |
| Microscopic examination | Analysis of parasitic helminths  |
| SMEWW 2130 B            | Analysis of turbidity, nephelometric method                                  |
| SMEWW 2320 B            | Analysis of alkalinity   |
| SMEWW 2510 B            | Analysis of conductivity   |
| SMEWW 2540 C            | Analysis of total dissolved solids at 180 °C                                 |
| SMEWW 2540 D            | Analysis of total suspended solids dried at 103-105 °C                       |
| SMEWW 2540 E            | Analysis of volatile solids ignited at 550 °C                                |
| SMEWW 2540G             | Analysis of Total, fixed and volatile solids in solids and semisolid samples |
| SMEWW 2550 B            | Analysis of temperature  |
| SMEWW 2710C/2710D       | Analysis of settled sludge volume index (SSVI)                               |
| SMEWW 4500 Cl- B        | Analysis of chloride   |

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|                           |   |
|---------------------------|---|
| SMEWW 4500-H+ B           | Analysis of pH value                        |
| SMEWW 4500-NH3-N, D       | Analysis of ammonia nitrogen, by ISE method |
| SMEWW 4500-Norg/HACH-8038 | Analysis of total kjeldahl nitrogen         |
| SMEWW 4500 S2- F          | Analysis of hydrogen sulphide by titration  |
| SMEWW 5210 B/HACH 10360   | Analysis of biochemical oxygen demand       |
| SMEWW 5520 B              | Analysis of oil and grease by gravimetry    |
| USEPA SW846-9045d         | Analysis of PH in ASH and sludge            |
| WHO-EM/CEH/121E           | Analysis of parasitic helminth eggs         |

*SMEWW - Standard Methods for the Examination of Water and Wastewater*