

10.6 Scope of Accreditation

Issue No: 01/ Issue Date: 25th Nov 2021
File Manager: Al-Sowailem

GAC



ACCREDITED
TESTING
ISO/IEC 17025:2017
No. ATL 0000

Testing Laboratory Accreditation No. ATL 0123

is accredited by the GCC Accreditation Center (GAC) in accordance with the recognised International Standard ISO/IEC 17025:2017, "General requirements for the competence of testing and calibration laboratories"

Oman Water and Wastewater Services Company – Haya Water Laboratory	
Address. Oman Water and Wastewater Services Company. PO Box 1047, PC 133	Contact Person: Fatma Said Ahmed Al Qasmi Tel: +968 24529506 Fax: Email: Fatma.qasmi@owwsc.nama.om Web Address: www.owwsc.nama.om

Locations where testing activities covered by the above Accreditation Standard are undertaken

1- **address:** Oman Water and Wastewater Services Company. PO Box 1047, PC 133

For the following scope:

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7. Chemical Testing:

7.81 Constituents of the environment
7.66 Waters

8. Biological Testing

8.70 Waters, including effluents

Scope details are as follows:

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Remarks
Chemical Analysis	Water / Wastewater	Total suspended solids	APHA 2540D – 23 rd Edition	
		Biochemical oxygen demand	APHA 5210B - 23 rd Edition	
		Alkalinity	APHA 2320B, 23rd Edition	
		Residual chlorine	APHA 4500Cl G - 23 rd Edition	
		Electrical Conductivity	APHA 2510B – 23 rd Edition	
		pH	APHA 4500 H ⁺ B / 23 rd Edition	
		Oil and grease	ASTM D7066	
		Chemical oxygen demand	APHA 5220D – 23 rd Edition	
		Total phosphorus	APHA- 4500-P E	

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Chemical Analysis	Water / Wastewater	Determination of anions Chloride, Sulfate, Fluoride, Nitrate, Nitrite	APHA 4110B – 23 rd Edition	
		Ammoniacal nitrogen	APHA- 4500-NH3 C 23rd edition	
		Total nitrogen	In House Procedure PRO-LAB-500	
		Total Kjeldahl nitrogen	EPA 351.3	
		Volatile Suspended Solids ignited at 550°C	APHA 2540D and E -23 rd Edition	
		Total dissolved solids	APHA 2540C / ASTM D5907 EPA Method 160.1	
		Turbidity	ASTM Method D1889 APHA Method 2130B	
		Metals: Antimony, Aluminum, Arsenic, Barium, Beryllium, Bismuth, Boron, Cadmium, Calcium, Chromium Total, Cobalt, Copper, Iron total, Lead, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Phosphorus, Selenium, Silver, Sodium, Strontium, Tin, Vanadium, Zinc	APHA 3120B EPA 200.7 EPA 3015 A	
Bio-solids & Sludge	Metals: Cadmium, Chromium Total, Copper, Lead Molybdenum, Nickel, Potassium, Selenium, Phosphorous, Zinc, Arsenic, Cobalt, Iron, Manganese, Phosphorus, Vanadium			

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Chemical Analysis	Bio-solid Compost	Organic matter	METHOD 5.07-A TMECC	
	Water, Wastewater, Saline Water	Determination of Total Cyanide by Segmented Flow Analysis	ISO 14403	
		Determination of Total Phenols by Segmented Flow Analysis	APHA 5530D – 23 rd Edition	
		Determination of Silica by Hach Method	Hach Method 8185	
		Determination of Total Sulfides by Segmented Flow Analysis	APHA 4500-S2 – 23 rd Edition	
	Sludge	Dried solids	APHA 2540G – 23 rd Edition	
Aqueous, Water, Wastewater, Bio-Solids & Sludge	Sampling	APHA 1060 A, B, C – 23 rd Edition		
Microbiological Analysis	Sludge / Bio solids	Viable Helminth Ova	In House Method/ PRO-LAB-225	
		Salmonella	EPA 1682, 2006	
		Fecal Coliform by A1 medium	EPA 1681, 2006	
	Potable Water	Heterotrophic Plate Count	APHA 9215B, – 23 rd Edition	
		Enterococci	PRO-LAB-251	
		Pseudomonas aeruginosa	Using IDEXX / Pseudalert	
		Total Coliform & E. coli by Enzyme Substrate Method	APHA 9223B, – 23 rd Edition	

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Microbiological Analysis		Enumeration & Detection of Legionella Spp.	PRO-LAB-260	
	Waste Water/ Aqueous/ Water	Viabile Helminth Ova	In House Method /PRO-LAB-220	
		Total Coliform & E. coli by Enzyme Substrate Method	APHA 9223B, – 23 rd Edition	
		Thermotolerant (Fecal coliform) by Membrane Filtration	In House SOP (PRO-LAB-211) based on APHA 9222D 23rd Ed (deviation in temperature)	
		Enterococci	PRO-LAB-251	
		Pseudomonas aeruginosa	Using IDEXX Pseudalert	
	Aqueous, Water, Wastewater, Bio-Solids & Sludge	Sampling	APHA 9060 A&B, – 23 rd Edition	

Note: the text in blue indicates the new scope OR update in the Edition of a test method in this issue of the scope of accreditation.

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Log of Suspended Scopes: None

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Date Suspended	Date Reinstated

Log of Withdrawn Scopes: None

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Date Withdrawn

END

This conformity assessment body (CAB) is recorded as issuing GAC accredited reports to organizations in the countries listed below. This list is current at the time of issue of this schedule.

United Arab Emirates	Bahrain	Saudi Arabia	Oman	Qatar	Kuwait	Yemen