



# ACCREDITATION CERTIFICATE

**088-LB-TEST**

**Emirates International Accreditation Centre**

has accredited

**WATER BIRD CHEMICAL & BIOLOGICAL LABORATORY**

Al Quoz Industrial Area 4 - Warehouse No. 4

Dubai- United Arab Emirates

In accordance with the requirements of

**ISO/IEC 17025:2017**

General requirements for the competence of testing and calibration laboratories  
to undertake the tests in the attached accreditation scope

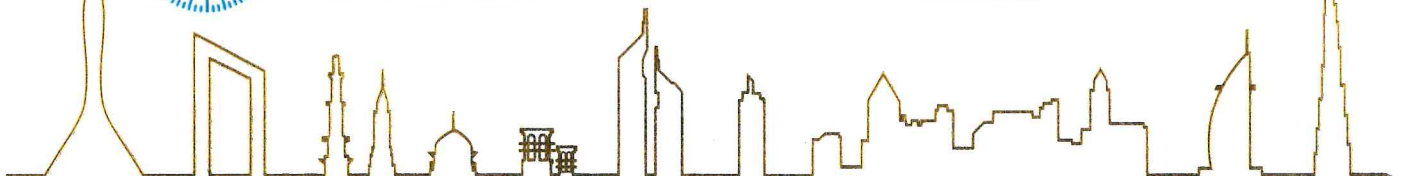
This Accreditation is invalid without the attached accreditation scope and shall remain in force  
within the validity period printed below, subject to continuing compliance with the requirements of  
the accreditation criteria.

Validity: 21/11/2019 to 20/11/2022

Initial Accreditation Date: 21/11/2013



  
CHIEF EXECUTIVE OFFICER  
APPROVAL



**Accreditation Scope**  
**Environmental Testing**  
**088-LB-TEST**

**Water Bird Chemical & Biological Laboratory**  
**Al Quoz Industrial Area 4 - Warehouse No. 4**  
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Issue no.: 05

Date: 31-03-2020

Valid to: 20-11-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water and wastewater	pH	APHA/AWWA-4500 H <sup>+</sup>
		TDS	APHA/AWWA-2540C
		TSS	APHA/AWWA-2540D
		BOD	APHA/AWWA-5210B
		COD	APHA/AWWA-5220B
		Conductivity	APHA/AWWA-2510B
		Total Hardness	APHA/AWWA-2340C
		Total Alkalinity	APHA/AWWA-2320B
		Chloride	APHA/AWWA-4500Cl-B
		Oil and Grease	APHA/AWWA-5520 B
		Calcium & Calcium Hardness	APHA/AWWA-3500 Ca B
		Magnesium	APHA/AWWA-3500-Mg B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water and wastewater	Sulphate	APHA/AWWA-4500-SO <sub>4</sub> <sup>2-</sup> E
		Copper	APHA/AWWA- 3120B
		Chromium	APHA 3120B
		Cadmium	APHA 3120B
		Cobalt	APHA 3120B
		Manganese	APHA 3120B
		Nickel	APHA 3120B
		Zinc	APHA 3120B
		Iron	APHA 3120B
		Selenium	APHA 3120B
		Beryllium	APHA 3120B
		Barium	APHA 3120B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water and wastewater	Lead	APHA 3120B
		Silver	APHA 3120B
		Potassium	APHA 3120B
		Sodium	APHA 3120B
		Aluminium	APHA 3120B
		Mercury	APHA 3120B
		Arsenic	APHA 3120B
		Calcium	APHA 3120B
		Magnesium	APHA 3120B
		Appearance	APHA 2110
		Colour – Apparent	APHA 2120 C.
		Colour - True	APHA 2120 C

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water & Wastewater	Turbidity	APAH 2130 B
		Bicarbonate (HCO <sub>3</sub> )	APHA 2320 B
		M- Alkalinity	APHA 2320 B
		P- Alkalinity	APHA 2320 B
		Saturation Index	APHA 2330 B.
		Carbonate Hardness	APHA 2340 A
		Non Carbonate Hardness	APHA 2340 A
		Salinity	APHA 2520 B
		Total Solids @ 105°C	APHA 2540 B.
		Temperature	APHA 2550 B
		Chromium Hexavalent	APHA 3500 Cr B
		Iron- Dissolved	APHA 3500 Fe B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water & Wastewater	Iron – Total	APHA 3500 Fe B
		Iron - Suspended	APHA 3500 Fe B
		Magnesium Hardness	APHA 3500 Mg B
		Chlorine Free	APHA 4500 Cl G (0.02 to 2.0)
		Chlorine Free	APHA 4500 Cl G (0.10 to 10.0)
		Chlorine Total	APHA 4500 Cl G (0.02 to 2.0)
		Chlorine Total	APHA 4500 Cl G (0.10 to 10.0)
		Chloride as NaCl	APHA 4500 Cl <sup>-</sup> B.
		Bicarbonate Alkalinity	APHA 4500 CO <sub>2</sub> D
		Carbonate Alkalinity	APHA 4500 CO <sub>2</sub> D
		Hydroxide Alkalinity	APHA 4500 CO <sub>2</sub> D
		Carbon Dioxide – Free	APHA 4500 CO <sub>2</sub> D

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Chemistry	Water & Wastewater	Carbon Dioxide - Total	APHA 4500 CO <sub>2</sub> D
		Fluoride	APHA 4500 F <sup>-</sup> D.
		Nitrogen - Total-LR	SOP : 60-Persulphate Digestion Method
		Nitrogen - Total-HR	SOP : 61-Persulphate Digestion Method
		Ammonia	APHA 4500 - NH <sub>3</sub> B & C.
		Ammonia – Nitrogen	APHA 4500 - NH <sub>3</sub> B & C.
		Ammonium	APHA 4500 - NH <sub>3</sub> B & C.
		Nitrite	APHA 4500 – NO <sub>2</sub> <sup>-</sup> B
		Nitrite – Nitrogen	APHA 4500 – NO <sub>2</sub> <sup>-</sup> B
		Nitrite as Sodium Nitrite	APHA 4500 – NO <sub>2</sub> <sup>-</sup> B
		Nitrate	APHA 4500 - NO <sub>3</sub> E.
		Nitrate - Nitrogen	APHA 4500 - NO <sub>3</sub> E.

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water & Wastewater	Nitrogen Organic (TKN)	APHA 4500 –Norg B.
		Dissolved Oxygen	APHA 4500 – O C.
		Orthophosphate / phosphate reactive	APHA 4500 – P C.
		Reactive Phosphorous	APHA 4500 – P C.
		Dissolved Orthophosphate	APHA 4500 – P C.
		Dissolved Reactive Phosphorous	APHA 4500 – P C.
		Total Phosphate	APHA 4500 – P B & C.
		Total Phosphorous	APHA 4500 – P B & C.
		Total Dissolved Phosphate	APHA 4500 – P B & C.
		Total Dissolved Phosphorous	APHA 4500 – P B&C.
		Silica (SiO <sub>2</sub> )	APHA 4500-SiO <sub>2</sub> C.
		Silicon (Si)	APHA 4500-SiO <sub>2</sub> C.



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Chemistry	Water & Wastewater	Silica (SiO <sub>2</sub> )	APHA 4500-SiO <sub>2</sub> D.
		Silicon (Si)	APHA 4500-SiO <sub>2</sub> D.
		Sulphide	APHA 4500 S <sub>2</sub> - C & D.
		Sulphide as H <sub>2</sub> S	APHA 4500 S <sub>2</sub> - C & D.
		Sulphide	APHA 4500 S <sub>2</sub> - C & F.
		Sulphide as H <sub>2</sub> S	APHA 4500 S <sub>2</sub> - C & F.
		Sulphite	APHA 4500-SO <sub>3</sub> <sup>2-</sup> B.
		BOD	APHA 5210 B (conventional method)
		Phenol	APHA 5530 B & C.
		Antimony	APHA 3120 B.
		Boron	APHA 3120 B.
		Indium	APHA 3120 B.

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water & Wastewater	Lithium	APHA 3120 B.
		Molybdenum	APHA 3120 B.
		Silicon	APHA 3120 B.
		Strontium	APHA 3120 B.
		Thallium	APHA 3120 B.
		Tin	APHA 3120 B.
		Titanium	APHA 3120 B.
		Vanadium	APHA 3120 B.
		Ammonia	HACH 8155
		Ammonia – Nitrogen	HACH 8155
		Ammonium	HACH 8155
		Benzotriazole	HACH 8079

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Chemistry	Water & Wastewater	Bromine	HACH 8016
		Chlorine Dioxide	HACH 10126
		Total Cyanide	HACH 8027
		Free Cyanide	HACH 8027
		Cyanuric Acid	HACH 8139
		Molybdate	HACH 8036
		Molybdenum	HACH 8036
		Monochloramine	HACH 10171
		Nitrite	HACH 8153
		Nitrite – Nitrogen	HACH 8153
		Nitrite as Sodium Nitrite	HACH 8153
		Phosphonate	HACH 8007

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Chemistry	Water & Wastewater	Surfactants - Anionic	HACH 8028
		Total Heavy Metals	SOP:49
		Oil & Grease - Free	IHTP:29
		Wastewater Sample Collection	APHA 1060 B & DMS 11:2001
		Other Water sample collection	APHA 1060 B
Microbiology	Water and Swimming Pools	Heterotrophic Plate Count	APHA/AWWA 9215 D
		Total Coliform	APHA/AWWA 9222 B
		E.coli	APHA/AWWA 9222 B
		Pseudomonas aeruginosa	APHA/AWWA 9213 E
		Faecal streptococci/ Enterococcus	APHA/AWWA 9230 C
		Faecal Coliform	APHA/AWWA 9222 D
	Water and Waste Water	Collection of water sample	APHA / AWWA 9060A

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Water	Water Quality: Enumeration of Legionella Matrix A : water with Low Background. Matrix B : Water with High Background	ISO 11731 Matrix A: Procedures 7 Matrix B: Procedures 8, 9, 10
Sampling	Water	Sampling for <i>Legionella</i> bacteria in water systems. Code of practice Section 2: Routine sampling	BS7592

Accreditation History		
Issue no.	Details	Date
05	Extension in scope	31/03/2020
04	Renewal accreditation, comply with ISO 17025:2017 and first issuance under the name of EIAC (which was formerly known as DAC)	21/11/2019