



# ACCREDITATION CERTIFICATE

**LB-TEST-020**

**Emirates International Accreditation Centre**

has accredited

**EHS CENTRAL LABORATORY**

Free zone, Jebel Ali, 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: 27/04/2022 to 16/02/2025

Initial Accreditation Date: 17/02/2004



  
CHIEF EXECUTIVE OFFICER  
APPROVAL



## Accreditation Scope

### Environmental Testing

#### LB-TEST-020

## EHS Central Laboratory

### Free zone, Jebel Ali, Dubai- United Arab Emirates

Issue no.: 10

Date: 27-04-2022

Valid to: 16-02-2025

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water/Waste water	Determination of Metals using nitric acid digestion	APHA 3120 B / APHA 3030 E
		Zinc (LOQ = 0.002 mg/L)	
		Lead (LOQ = 0.016 mg/L)	
		Copper (LOQ = 0.003 mg/L)	
		Cadmium (LOQ = 0.001 mg/L)	
		Chromium (LOQ = 0.002 mg/L)	
		Nickel (LOQ = 0.007 mg/L)	
		Iron (LOQ = 0.013 mg/L)	
		Manganese (LOQ = 0.002 mg/L)	
		Cobalt (LOQ = 0.002 mg/L)	

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Chemistry	Water/Waste water	Determination of Metals using nitric acid digestion	APHA 3120 B / APHA 3030 E
		Silver (LOQ = 0.006 mg/L)	
		Aluminium (LOQ = 0.082 mg/L)	
		Boron (LOQ = 0.004 mg/L)	
		Beryllium (LOQ = 0.006 mg/L)	
		Molybdenum (LOQ = 0.011 mg/L)	
		Antimony (LOQ = 0.025 mg/L)	
		Strontium (LOQ = 0.002 mg/L)	
		Vanadium (LOQ = 0.007 mg/L)	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water/Waste water	Determination of Total Dissolved Solids dried at 180 °C	APHA 2540 C
Chemistry	Water/Waste water	Determination of Total Suspended Solids dried at 103-105 °C	APHA 2540 D
Chemistry	Water/Waste water	Determination of Chemical Oxygen Demand (COD) using Open Reflux method	APHA 5220 B
Chemistry	Water/Waste water	Determination of Chemical Oxygen Demand (COD) using closed Reflux, Colorimetric method	APHA 5220 D
Chemistry	Water/Waste water	Determination of Oil and Grease using Partition – Gravimetric method	APHA 5520 B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water/Waste water	Determination of pH value using Electrometric Method	APHA 4500 H+ B
Chemistry	Water/Waste water	Determination of Biological Oxygen Demand (BOD <sub>5</sub> )	APHA 5210 B
Chemistry	Water/Waste water	Sampling & Storage using manual method Chain of Custody completed together with identification labels	APHA 1060 A, B & C TCL-QMP-14, (Revision 00)
Microbiology	Water-Potable/ Non-potable water/ Domestic water/ Wastewater/ Recreational water	Standard Methods for Examination of Water & Wastewater Heterotrophic Plate Count	APHA 9215 B, 23 <sup>rd</sup> Edition

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Water-Potable/ Non-potable water/ Domestic water/ Wastewater/ Recreational water	Standard Methods for Examination of Water & Wastewater Total coliform- MF Technique	APHA 9222 B, 23 <sup>rd</sup> Edition
Microbiology	Water-Potable/ Non-potable water/ Domestic water/ Wastewater/ Recreational water	Standard Methods for Examination of Water & Wastewater Total coliform and Escherichia coli- Enzyme Substrate Test	APHA 9223 B, 23 <sup>rd</sup> Edition
Microbiology	Water-Potable/ Non-potable water/ Domestic water/ Wastewater/ Recreational water	Standard Methods for Examination of Water & Wastewater Fecal coliform- MF technique	APHA 9222 D, 23 <sup>rd</sup> Edition
Microbiology	Water-Potable/ Non-potable water/ Domestic water/ Wastewater/ Recreational water	Fecal coliform- Enzyme Substrate Test	TCL-SOP-MIC-06

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Water-Potable/ Non-potable water/ Domestic water/ Wastewater/ Recreational water	Standard Methods for Examination of Water & Wastewater Escherichia coli- MF Partition technique	APHA 9222 H, 23 <sup>rd</sup> Edition
Microbiology	Water-Potable/ Non-potable water/ Domestic water/ Wastewater/ Recreational water	Water quality-Detection and Enumeration of Pseudomonas aeruginosa- MF Technique	BS EN ISO 16266
Microbiology	Water-Potable/ Non-potable water/ Domestic water/ Wastewater/ Recreational water	Detection and Enumeration of Pseudomonas aeruginosa- IDEXX method	TCL-SOP-MIC-07

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Water-Potable/ Non-potable water/ Domestic water/ Wastewater/ Recreational water	Water quality — Detection and enumeration of intestinal enterococci — Part 2: Membrane filtration method	ISO 7899-2
Microbiology	Water-Potable/ Non-potable water/ Domestic water/ Wastewater/ Recreational water	Water Quality: Detection and Enumeration of Legionella	ISO 11731 Matrix A procedure 5, 7, 8, 9 and 10 Matrix B procedures 8, 9 and 10
Microbiology	Water-Potable/ Non-potable water/ Domestic water/ Wastewater/ Recreational water	Sample collection	APHA 9060 A, APHA 9213 B 23 <sup>rd</sup> Edition

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Water	Sampling for Legionella bacteria in water systems. Code of practice	BS 7592 Section 2 Routine Sampling

Accreditation History		
Issue no.	Details	Date
10	Renewal accreditation	27-04-2022
09	Certificate validity was extended for 6 months from 17-02-2022 up to 16-08-2022	17-02-2022
08	Change the name of the laboratory (formerly was known as Trakhees Central Laboratory) and comply with the new accreditation number format	24-12-2020
07	Extension in scope (add Microbiology)	23-03-2020
06	Renewal of accreditation and first issuance under the name of EIAC (which was formerly known as DAC)	17-02-2019

## Accreditation Scope

### Air Quality Monitoring Testing

#### LB-TEST-020

## EHS Central Laboratory

### Free zone, Jebel Ali, Dubai- United Arab Emirates

Issue no.: 01

Date: 27-04-2022

Valid to: 16-02-2025

Type of Activity	Test Materials/Products	Test Name	Test Method
Environmental Monitoring	Stack Emission (Sampling and Monitoring)	Determination of Carbon Monoxide (CO) (Measurement Range 0 - 500 PPM)	SOP (PCFC-CSC-EHS-CL-SOP-CHE-15); US EPA EMC CTM - 030 &34; US EPA-Method 10:2017
		Determination of Sulphur Dioxide (SO <sub>2</sub> ) (Measurement Range 0 - 100 PPM)	SOP (PCFC-CSC-EHS-CL-SOP-CHE-15); US EPA EMC CTM - 6C US EPA-Method 6C:2017
		Determination of Nitrogen Oxides (NO <sub>x</sub> ) Calculated from NO and NO <sub>2</sub> Measurement Range: NO: 0 - 5000 PPM NO <sub>2</sub> : 0 - 1000 PPM	SOP (PCFC-CSC-EHS-CL-SOP-CHE-15); US EPA EMC CTM - 030 & 34 US EPA-Method 7E:2018

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### Air Quality Monitoring Testing

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## EHS Central Laboratory

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Issue no.: 01

Date: 27-04-2022

Valid to: 16-02-2025

Type of Activity	Test Materials/Products	Test Name	Test Method
Environmental Monitoring	Stack Emission (Sampling and Monitoring)	Determination of Oxygen (O <sub>2</sub> ) (Measurement Range 0 - 25%)	SOP (PCFC-CSC-EHS-CL-SOP-CHE-15); US EPA-Method 3C: 2017
		Determination of Carbon Dioxide (CO <sub>2</sub> ) (Measurement Range 0 - 40%)	SOP (PCFC-CSC-EHS-CL-SOP-CHE-15); US EPA EMC CTM - 030; US EPA-Method 3C:2017
		Determination of Hydrocarbon (Measurement Range 0 - 10000 PPM)	SOP (PCFC-CSC-EHS-CL-SOP-CHE-15); US EPA EMC CTM - 030; US EPA-Method 3C:2017

### Accreditation History

Issue no.	Details	Date
01	Granted accreditation in scope of Air Quality Monitoring Testing	27-04-2022