





ACCREDITATION CERTIFICATE

LB-CAL-082

Emirates International **A**ccreditation **C**entre

has accredited

GEO-CHEM MIDDLE EAST

Plot No: TP/010305, National Industries Park, Jebel Ali

Dubai -United Arab Emirates

In accordance with the requirements of

ISO/IEC 17025:2017

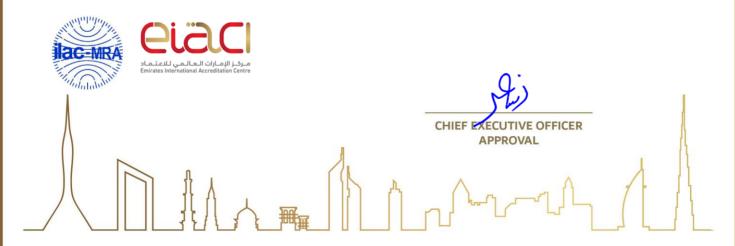
General requirements for the competence of testing and calibration laboratories

to undertake the calibration 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: 11-02-2021 to 16-02-2023

Initial Accreditation Date: 17-02-2020







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Date: 11-02-2021 Valid to: 16-02-2023

Accreditation History				
Scope	Issue No.	Details	Date	
Temperature	2	Re-issued to comply with the new accreditation number	2/11/2021	
Mass		format		
Dimensional				
Pressure				
Temperature	1	Granted accreditation from Emirates International	2/17/2020	
Mass		Accreditation Centre EIAC		
Dimensional				
Pressure				





Temperature Calibration

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			Calibration	
Calibration Field/ Measuring Quality	Calibration Method	Range and	Measurement	l a sation
		Specification	Capability	Location
			(CMC)*	
Digital thermometers	In house method GC	1 °C to 250 °C	0.3 °C	Laboratory
with a resistance sensor	I&C-WI-010, based on			
	DKD-R 5-1			
Digital thermometers	In house method GC	1 °C to 80 °C	0.4 °C	Laboratory
with a thermocouple	I&C-WI-010, based on			
sensor	DKD-R 5-1			
	In house method GC	80 °C to 140 °C	0.6 °C	
	I&C-WI-010			
	In house method GC	140 °C to 250 °C	0.8 °C	
	I&C-WI-010, based on			
	DKD-R 5-1			
Temperature controlled	In house method GC	-30 °C to 100 °C	0.6 °C	Laboratory/
chambers (Chillers,	I&C-WI-013, based on			Customer
Freezers, Incubators,	DKD-R 5-7			Premises
Ovens)				
Temperature liquid	In house method GC	25 °C to 100 °C	0.3 °C	Laboratory/
baths	I&C-WI-013, based on			Customer
	DKD-R 5-7			Premises

^{*} Calibration and Measurement Capability (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. Calibration and Measurement Capabilities represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of k = 2. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.





Mass Calibration

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Weighing Balance	Euramet cg-18	0 ≤ m ≤ to 200 g	0.0021 g	Customer Premises
		200 g < m ≤ 30 kg	1.3 g	
		30 kg < m ≤ 200 kg	0.13 kg	

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Dimensional Calibration

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Calibration Steel Rules	Scale & Tap WI 008 based on IS 1269 Part I	Up to 1000	0.6 mm	Laboratory
	& II, IS 1481	Up to 1 m	0.6 mm	
Steel Tapes		>1 m Up to 5 m	0.6 mm	

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Pressure Calibration

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Pneumatic Pressure	DKD R-6-1	-100 kPa to 100 kPa	0.05% of Full Scale	Laboratory/
Gauge				Customer
		100 kPa to 4 MPa	0.05% of Full Scale	Premises
Hydraulic Pressure Gauge	DKD R-6-1	50 kPa to 7 MPa	0.02% of Full Scale	Laboratory
		1 MPa to 140 Mpa	0.02% of Full Scale	

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