



# ACCREDITATION CERTIFICATE

**LB-CAL-018**

**Emirates International Accreditation Centre**

has accredited

**ARABSCALE CALIBRATION SERVICES**

Warehouse #26, 27 | Lootah Warehouse | Damascus Street | Al Qusais

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: 07-04-2023 to 06-04-2026

Initial Accreditation Date: 07-04-2014



  
Amina Ahmed Mohammed  
CHIEF EXECUTIVE OFFICER  
APPROVAL



## Accreditation Scope

**LB-CAL-018**

### ArabScale Calibration Services

**Warehouse #26, 27 | Lootah Warehouse | Damascus Street | Al Qusais**

**Dubai | United Arab Emirates**

**Date: 07-04-2023**

**Valid to: 06-04-2026**

Accreditation History			
Scope	Issue No.	Details	Date
Mass Calibration	6	Renewal of the accreditation	07-04-2023
Volume Calibration	6	Renewal of the accreditation and modification in Range and Specification and CMC Values	
Balance Calibration	6		
Temperature Calibration	6	Renewal of the accreditation	
Dimensional Calibration	3		
Mass Calibration	5	Renewal accreditation and first issuance under the name of EIAC	08-09-2020
Volume Calibration	5		
Balance Calibration	5		
Temperature Calibration	5		
Dimensional Calibration	2		

## Accreditation Scope

### Mass Calibration

#### LB-CAL-018

## ArabScale Calibration Services

Warehouse #26, 27 | Lootah Warehouse | Damascus Street | Al Qusais

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Issue no.: 06

Date: 07-04-2023

Valid to: 06-04-2026

Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Mass	ASC/WP/02 Based On STANDARD WEIGHTS AS PER OIML R111-1 F1 from 1 mg to 20 kg	1 mg	0.004 mg	Arabscale Laboratory
		2 mg	0.004 mg	
		5 mg	0.004 mg	
		10 mg	0.006 mg	
		20 mg	0.008 mg	
		50 mg	0.007 mg	
		100 mg	0.008 mg	
		200 mg	0.010 mg	
		500 mg	0.013 mg	
		1 g	0.016 mg	
		2 g	0.019 mg	
		5 g	0.025 mg	
		10 g	0.031 mg	
		20 g	0.041 mg	
50 g	0.065 mg			

\* 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.

## Accreditation Scope

### Mass Calibration

#### LB-CAL-018

## ArabScale Calibration Services

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Mass	ASC/WP/02 Based On STANDARD WEIGHTS AS PER OIML R111-1 F1 from 1 mg to 20 kg	100 g	0.1 mg	ArabScale Laboratory
		200 g	0.26 mg	
		500 g	0.55 mg	
		1 kg	0.85 mg	
		2 kg	3 mg	
		5 kg	8 mg	
		10 kg	16 mg	
		20 kg	30 mg	

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## Accreditation Scope

### Volume Calibration

#### LB-CAL-018

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
PIPETTE CALIBRATION	ASC/WP/03 Based on ISO 8655-6 (GRAVIMETRIC METHOD)	Up to 20 ul	0.087 ul	Arabscale Laboratory
		> 20 ul up to 100 ul	0.40 ul	
		> 100 ul up to 250 ul	0.53 ul	
		> 250 ul up to 500 ul	0.78 ul	
		> 500 ul up to 1000 ul	1.4 ul	
		> 1000 ul up to 2000 ul	2.4 ul	
		> 2000 ul up to 5000 ul	6.1 ul	
		> 5000 ul up to 10000 ul	12 ul	

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## Accreditation Scope

### Balance Calibration

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Weighing Scale	ASC/WP/01 Based On Non- automatic weighing Instruments-EURAMET GUIDE-CG-18	0 & 1 mg up to 21 g	0.05 mg	Customer premises
		> 21 g Up to 220 g	0.5 mg	
		> 220g up to 6200 g	0.02 g	
		> 6200g up to 10 kg	0.1 g	
		> 10 kg up to 30 kg	5 g	
		> 30 kg up to 60 kg	10 g	
		> 60 kg up to 300 kg	70 g	
		> 300 kg up to 500 kg	0.1 kg	
		> 500 kg up to 1000 kg	0.2 kg	
		> 1000 kg up to 3000 kg	0.5 kg	

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## Accreditation Scope

### Temperature Calibration

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Issue no.: 06

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Digital thermometers	ASC/WP/22	-30 °C up to 0 °C	0.12 °C	Arabscale Laboratory
		0 °C up to 50 °C	0.10 °C	
		50 °C up to 120 °C	0.18 °C	
		120 °C up to 200 °C	0.30 °C	
		200 °C up to 400 °C	0.50 °C	
Liquid-in-glass- thermometer	ASC/WP/20	-30 °C up to 0 °C	0.18 °C	Arabscale Laboratory
		0 °C up to 50 °C	0.10 °C	
		50 °C up to 120 °C	0.18 °C	
Dial type thermometers	ASC/WP/21	-30 °C up to 120 °C	0.40 °C	Arabscale Laboratory
		120 °C up to 200 °C	0.80 °C	
		200 °C up to 400 °C	1.5 °C	
Ovens, Freezers, Refrigerator,Chiller (9 points)	ASC/WP/23 based on DKD-R 5-7	-30 °C up to 50 °C	0.90 °C	Customer Premises
		50 °C up to 250 °C	1.6 °C	

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**Accreditation Scope**

**Temperature Calibration**

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Incubator and liquid bath (5 points)	ASC/WP/24 & ASC/WP/25 base don DKD-R 5-7	-30 °C up to 100 °C	0.70 °C	Customer Premises
Autoclave	ASC/WP/26 based on DKD-R 5-7	100 °C up to 140 °C	2.0 °C	Customer Premises

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**Accreditation Scope**

**Dimensional Calibration**

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**Issue no.: 03**

**Date: 07-04-2023**

**Valid to: 06-04-2026**

<b>Calibration Field/ Measuring Quality</b>	<b>Calibration Method</b>	<b>Range and Specification</b>	<b>Calibration Measurement Capability (CMC)*</b>	<b>Location</b>
Vernier / Digital Calipers	In-House method ASC/WP/30	0-300 mm	0.03 mm	Arabscale Laboratory
External Micrometer	In-House method ASC/WP/31	0-25 mm	2.0 µm	Arabscale Laboratory

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