



ACCREDITATION CERTIFICATE

LB-CAL-018

Emirates International Accreditation Centre

has accredited

ARABSCALE CALIBRATION SERVICES

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: 08-09-2020 to 06-04-2023

Initial Accreditation Date: 07/04/2014




CHIEF EXECUTIVE OFFICER
APPROVAL



Accreditation Scope

LB-CAL-018

ArabScale Calibration Services

Dubai-United Arab Emirates

Date: 08-09-2020

Valid to: 06-04-2023

Accreditation History			
Scope	Issue No.	Details	Date
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

Dubai-United Arab Emirates

Issue no.: 05

Date: 08-09-2020

Valid to: 06-04-2023

Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement	Location
			Capability (CMC)*	
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			
100 g	0.1 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

Dubai-United Arab Emirates

Issue no.: 05

Date: 08-09-2020

Valid to: 06-04-2023

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	200 g	0.26 mg	Arabscale Laboratory
		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

ArabScale Calibration Services

Dubai-United Arab Emirates

Issue no.: 05

Date: 08-09-2020

Valid to: 06-04-2023

Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Volume	ASC/WP/03 Based on ISO 8655-6 (GRAVIMETRIC METHOD)	Up to 20 ul	0.087 ul	Arabscale Laboratory
		Up to 100 ul	0.397 ul	
		Up to 250 ul	0.526 ul	
		Up to 500 ul	0.778 ul	
		Up to 1000 ul	1.32 ul	
		Up to 2000 ul	2.35 ul	
		Up to 5000 ul	6.05 ul	
		Up to 10000 ul	11.6 ul	

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Accreditation Scope

Balance Calibration

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ArabScale Calibration Services

Dubai-United Arab Emirates

Issue no.: 05

Date: 08-09-2020

Valid to: 06-04-2023

Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement	Location
			Capability (CMC)*	
Weighing Scale	ASC/WP/01 Based On Non-automatic weighing Instruments-EURAMET GUIDE-CG-18	1 mg ~ 21 g	0.05 mg	Arabscale laboratory/ Customer premises
		Up to 220 g	0.0005 g	
		Up to 10 kg	0.1 g	
		Up to 30 kg	5 g	
		Up to 60 kg	10 g	
		Up to 300 kg	70 g	
		Up to 500 kg	0.1 kg	
		Up to 1000 kg	0.2 kg	
		Up to 3000 kg	0.5 kg	

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Accreditation Scope

Temperature Calibration

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ArabScale Calibration Services

Dubai-United Arab Emirates

Issue no.: 05

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement	Location
			Capability (CMC)*	
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	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	
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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ArabScale Calibration Services

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Issue no.: 02

Date: 08-09-2020

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
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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