



# ACCREDITATION CERTIFICATE

**LB-CAL-043**

**Emirates International Accreditation Centre**

has accredited

**RELIABLE CALIBRATION & MEASUREMENTS LABORATORY**

S7 Al Habtoor Showroom, Nad Al Hamar, Near to Ras Al Khor Bridge

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: 07-10-2022 to 04-10-2025

Initial Accreditation Date: 05-10-2016



  
CHIEF EXECUTIVE OFFICER  
APPROVAL



## Accreditation Scope

**LB-CAL-043**

### Reliable Calibration & Measurements Laboratory

**S7 Al Habtoor Showroom, Nad Al Hamar, Near to Ras Al Khor Bridge**

**Dubai-United Arab Emirates**

**Date: 07-10-2022**

**Valid to: 04-10-2025**

Accreditation History			
Scope	Issue No.	Details	Date
Balance	04	Renewal of accreditation	07-10-2022
Mass			
Balance	03	Re-issued to comply with the new accreditation number format	05-11-2020
Mass			
Balance	02	Renewal of accreditation, extension in scope and first issuance under the name of EIAC (which was formerly known as DAC)	16-09-2019
Mass			

## Accreditation Scope

### Mass Calibration

#### LB-CAL-043

## Reliable Calibration & Measurements Laboratory

S7 Al Habtoor Showroom, Nad Al Hamar, Near to Ras Al Khor Bridge

Dubai-United Arab Emirates

Issue no.: 04

Date: 07-10-2022

Valid to: 04-10-2025

Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Conventional Mass/Weights	DA-M-002 based on OIML R 111:2004	1 mg	0.06 mg	Laboratory
		2 mg	0.06 mg	
		5 mg	0.06 mg	Laboratory
		10 mg	0.08 mg	
		20 mg	0.10 mg	
		50 mg	0.12 mg	
		100 mg	0.16 mg	
		200 mg	0.20 mg	
		500 mg	0.25 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

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Conventional Mass/Weights	DA-M-002 based on OIML R 111:2004	1 g	0.3 mg	Laboratory
		2 g	0.4 mg	
		5 g	0.5 mg	
		10 g	0.6 mg	
		20 g	0.8 mg	
		50 g	1.0 mg	
		100 g	1.6 mg	
		200 g	3.0 mg	
		500 g	8.0 mg	
		1 kg	16 mg	

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Conventional Mass/Weights	DA-M-002 based on OIML R 111:2004	2 kg	30 mg	Laboratory
		5 kg	80 mg	
		10 kg	160 mg	
		20 kg	300 mg	
		1000 kg	160 g	

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## Accreditation Scope

### Balance Calibration

#### LB-CAL-043

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Issue no.: 04

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Mass/ Electronic balances & truck scales	In accordance to EURAMET cg 18:2015 RCML-WP-01 (Balance) RCML-WP-03 (Truck Scale)	up to 1000 g	$2.5 \times 10^{-6}$ Full Scale	Client Premises
		> 1000 g up to 33000 g	$7 \times 10^{-6}$ Full Scale	
		> 33 kg up to 500 kg	$7 \times 10^{-5}$ Full Scale	
		> 500 kg up to 1200 kg	$1 \times 10^{-4}$ Full Scale	
		> 1200 kg up to 5000 kg	$2.5 \times 10^{-4}$ Full Scale	
		> 5 t up to 120 t	$7.5 \times 10^{-4}$ Full Scale	
Mass/ Pallet scale	RCML-WP-01	up to 2000 kg	$2 \times 10^{-4}$	Client Premises
		> 2000kg up to 3000 kg	$3 \times 10^{-4}$	
		> 3000 kg up to 4000 kg	$4 \times 10^{-4}$	

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Mass/ Check-weigher (static only)	RCML-WP-01	to up to 1200 g	$2 \times 10^{-5}$	Client Premises
		> 1200 g up to 20 kg	$8 \times 10^{-5}$	
		> 20 kg up to 60 kg	$1 \times 10^{-4}$	
Mass/ Belt Scale (static only)	RCML-WP-01	up to 300 kg	$4 \times 10^{-4}$	Client Premises
		> 300 kg up to 2000 kg	$1 \times 10^{-3}$	
		> 2000 kg up to 5000 kg	$3 \times 10^{-3}$	
		> 5000 kg up to 10000 kg	$3 \times 10^{-3}$	
Mass/ Hopper Scale, Tank Scale, Silo (Batching plant / Asphalt plant)	RCML-WP-04	up to 100 kg	$2 \times 10^{-4}$	Client Premises
		> 100 kg up to 1000 kg	$3 \times 10^{-4}$	

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Mass/ Hopper Scale, Tank Scale, Silo (Batching plant / Asphalt plant)	RCML-WP-04	> 1000 kg up to 5000 kg	$6 \times 10^{-4}$	Client Premises
		> 5000 kg up to 20000 kg	$6 \times 10^{-4}$	
Mass/ Crane Scale/ Hanging Scale	RCML-WP-05	up to 100 kg	$2 \times 10^{-4}$	Client Premises
		> 100 kg up to 2000 kg	$3 \times 10^{-4}$	
		> 2000 kg up to 5000 kg	$6 \times 10^{-4}$	
		> 5000 kg up to 8000 kg	$7 \times 10^{-4}$	

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