

## Accreditation Scope

019-LB-CAL

**Al Hoty- Stanger Laboratories**

**Industrial City Abu Dhabi (ICAD 1), Plot 9R7B, Near ICAD 1 Gate no. 2, Beside Emirates Steel**

**Abu Dhabi - United Arab Emirates**

**Date: 15-09-2019**

**Valid to: 15-04-2020**

Accreditation History			
Scope	Issue No.	Details	Date
Balance	6	Transfer to ISO/ IEC 17025:2017 and first issuance under the name of EIAC (which was formerly known as DAC)	15/09/2019
Force	6		
Temperature	2		
Pressure	2		

## Accreditation Scope

### Balance Calibration

019-LB-CAL

**Al Hoty- Stanger Laboratories**

**Industrial City Abu Dhabi (ICAD 1), Plot 9R7B, Near ICAD 1 Gate no. 2, Beside Emirates Steel**

**Abu Dhabi - United Arab Emirates**

Issue no.: 06

Date: 15-09-2019

Valid to: 15-04-2020

Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Weighing Scales	In accordance to Euramet cg 18 ASTM E898- 2004	1mg to 500mg	0.3mg	Customer Premises
		Up to 6kg	4.0mg	
		Up to 30kg	34.0mg	
		Up to 60kg	0.2g	

\* 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

### Force Calibration

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Issue no.: 06

Date: 15-09-2019

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Force Verification/ Calibration of Universal testing machines (Tension)	Comparison method using force proving instruments based on BS EN ISO 7500-1	100 kN to 2000 kN	0.30 % of indicator reading for increasing forces	Customer Premises
Force Verification/ Calibration of Compression testing machines	Comparison method using force proving instruments based on BS EN ISO 7500-1	60 kN to 600 kN	0.20 % of indicator reading for increasing forces	
Force Verification/ Calibration of Compression testing machines	Comparison method using force proving instruments based on BS EN ISO 7500-1	600 kN to 3000 kN	0.30 % of indicator reading for increasing forces	

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**Accreditation Scope**  
**Temperature Calibration**  
**019-LB-CAL**

**Al Hoty- Stanger Laboratories**

**Industrial City Abu Dhabi (ICAD 1), Plot 9R7B, Near ICAD 1 Gate no. 2, Beside Emirates Steel**

**Abu Dhabi - United Arab Emirates**

**Issue no.: 02**

**Date: 15-09-2019**

**Valid to: 15-04-2020**

Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Liquid-in-glass thermometers	SOP-04	-20 °C – 150 °C	0.1 °C	Laboratory
Direct reading thermometers with RTD sensor	SOP-05	-20 °C – 150 °C	0.1 °C	
		>150 °C – 500 °C	0.8 °C	
Direct reading thermometers with TC sensor	SOP-05	-20 °C – 150 °C	0.3 °C	
		>150 °C – 500 °C	0.8 °C	
Dial thermometers	SOP-06	-20 °C – 150 °C	0.1 °C	
		>150 °C – 500 °C	0.8 °C	
Base metal thermocouples	SOP-07	-20 °C – 150 °C	0.3 °C	
		>150 °C – 500 °C	0.8 °C	
IR thermometers	SOP-08	-35 °C – 100 °C	1.5 °C	
		>100 °C – 150 °C	2.0 °C	
Climatic Chambers (also Ovens, Freezers, Chillers, Incubators) (9 sensors)	SOP-09	-80 °C – 5 °C	1.0 °C	Customers Premises
		>5 °C – 110 °C	0.6 °C	
		>110 °C – 400 °C	1.1 °C	
Liquid baths (5 sensors)	SOP-10	-80 °C – 5 °C	0.7 °C	
		>5 °C – 95 °C	0.4 °C	
		>95 °C – 200 °C	0.7 °C	

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**Accreditation Scope**  
**Temperature Calibration**  
**019-LB-CAL**

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Muffle furnace (1 sensor)	SOP-11	200 °C – 500 °C	0.9 °C	Customers Premises
		>500 °C – 800 °C	2 °C	
		>800 °C – 1200 °C	10 °C	
Autoclaves (temperature indicator)	SOP-12	50 °C - 100 °C	0.4 °C	
		>100 °C – 140 °C	0.7 °C	

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## Accreditation Scope

### Pressure Calibration

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Bourdon tube Pressure gauges	SOP – 03 based on DKD R-6 1	-0.85 bar to 0 bar	0.3%	Laboratory
		0 bar to 40 bar	0.20%	
		40 bar to 1200 bar	0.20%	
		-0.85 bar to 0 bar	0.3%	
		0 bar to 40 bar	0.20%	
		40 bar to 1200 bar	0.20%	

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