



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest

AL JAZEERA ENGINEERING LABORATORIES – CALIBRATION DIVISION

P.O. BOX NO. 300, BUILDING NO. 106, ZONE 57, STREET 43
DOHA 300, QATAR

Calibration Laboratory CL-191

has met the requirements of AC204, *IAS Accreditation Criteria for Calibration Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiration Date July 1, 2025

Effective Date March 17, 2025



International Accreditation Service

Issued under the authority of IAS management

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SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

AL JAZEERA ENGINEERING LABORATORIES – CALIBRATION DIVISION

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Accredited to ISO/IEC 17025:2017

Effective Date March 17, 2025

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
<i>Dimensional</i>			
Feeler Gage	0.02 mm to 1 mm	2.1 µm	Using Digital Micrometer by Direct method (JIS B7524- 2008)
<i>Mechanical</i>			
Balances (at Lab/Site ³)	1 mg to 220 g 10 mg to 8000 g 1 g to 30000 g 100 g to 150 kg	0.34 mg 0.90 mg 250 mg 30 g	Using E1, F1 and M1 class Weights by Direct method (Euramet cg 18)
Weighbridge Scales (at Site)	500 kg to 50000 kg	33 kg	Using M1 class Cast Iron Weights by Direct method (OIML R076-1-E06)
Batch Mix Plant Scales (at Site ³)	10 kg to 25 kg 25 kg to 200 kg 200 kg to 2000 kg 2000 kg to 3500 kg 3500 kg to 7500 kg 7500 kg to 10000 kg	0.03 kg 0.58 kg 1.2 kg 2.9 kg 5.8 kg 10 kg	Using M1 class Cast Iron Weights by Direct method (OIML R076-1-E06)
Weights (M1 class and coarser) (at Lab)	1 kg 2 kg 5 kg 10 kg 20 kg	0.02 g 0.02 g 0.02 g 0.2 g 0.3 g	Using F1 class SS Weights by ABBA method (OIML R111-1)

* If information in this CMC is presented in non-SI units, the conversion factors stated in NIST Special Publication 811 "Guide for the Use of the International System of Units (SI)" apply.

CL-191
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Effective Date March 17, 2025

Page 2 of 3

IAS/CL/100-3



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MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Thermal			
Oven, Incubators (at Lab/Site ³)	5 °C to 150 °C 150 °C to 300 °C	0.44 °C 0.57 °C	Using Master Temperature sensor with Digital Indicator by Direct method (DKD-R5-7)
Water Bath (at Lab/Site ³)	5 °C to 100 °C	0.17 °C	Using Master Temperature sensor with Digital Indicator by Direct method (DKD-R5-7)
Chemical/Gas			
PH meter (in Lab)	4.01 pH 7.01 pH 10.01 pH	0.34 % 0.23 % 0.14 %	Using Buffer Solutions by Di- rect method (ASTM-E70-24)
Conductivity meter (in Lab)	1413 µS/cm	0.86 %	Using Traceable conductivity Solutions by Direct method (APHA-9020-4q)

¹The uncertainty covered by the Calibration and Measurement Capability (CMC) is expressed as the expanded uncertainty having a coverage probability of approximately 95 %. It is the smallest measurement uncertainty that a laboratory can achieve within its scope of accreditation when performing calibrations of a best existing device. The measurement uncertainty reported on a calibration certificate may be greater than that provided in the CMC due to the behavior of the calibration item and other factors that may contribute to the uncertainty of a specific calibration.

²When uncertainty is stated in relative terms (such as percent, a multiplier expressed as a decimal fraction or in scientific notation), it is in relation to instrument reading or instrument output, as appropriate, unless otherwise indicated.

³Also available as site calibration. Note that actual measurement uncertainties achievable at a customer's site can normally be expected to be larger than the uncertainties listed on this Scope of Accreditation.

