International Accreditation Service, Inc.

This accreditation is suspended as of

June 11, 2026.

Please contact IAS for current information.

562-364-8201, ext. 3309
iasinfo@iasonline.org

CERTIFICATE OF ACCREDITATION

This is to attest

AKNAN ENGINEERING CONTRACTING COMPANY

AL SHARJAH STREET
DAMMAM, 32437, SAUDI ARABIA

Calibration Laboratory CL-287

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.

Effective Date January 28, 2025

IAS ACCREDITED

International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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AKNAN ENGINEERING CONTRACTING COMPANY

Contact Name Abdul Rab Lone **Contact Phone** +966 0582590719

Accredited to ISO/IEC 17025:2017 *Effective Date January 28, 2025*

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY[1,2] (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Dimensional			
Calipers – Vernier, Dial & Electronic (Only External Jaws)	Up to 300 mm	13 µm	Gauge Blocks - 0 Grade using Direct Method
External Micrometers	Up to 100 mm	6 µm	Gauge Blocks - 0 Grade using Direct Method
Dial Indicator/Gauges (Plunger)	Up to 10 mm	0.02 mm	Dial calibration tester using Direct method
Mechanical			
Pneumatic Pressure Indicating Devices - Pressure Gauge / Switch/Transmitter / Transducer/ Pressure Relief Valve / Recorder	0 bar to 20 bar	0.05 bar	Using Pressure / Process Calibrator by comparison method (DKD-R-6-1)
Vacuum Gauge	0 bar to -0.8 bar	0.05 bar	Using Pressure / Process Calibrator by comparison method (DKD-R-6-1)
Hydraulic Pressure Indicating Devices - Pressure Gauge/ Switch/Transmitter/ Transducer/ Pressure Relief Valve/Recorder	0 bar to 700 bar 700 bar to 1000 bar	2.5 bar 3.5 bar	Using Pressure / Process Calibrator by comparison method (DKD-R-6-1)
Weighing Scale and Balances	1 g to 100 g 100 g to 1000 g 1 kg to 5 kg 5 kg to 100 kg	58 mg 64 mg 5.8 g 13 g	By using standard weight of F1 and M1 Class (OIML R76)
Compression Machines	5 kN to 50 kN 300 kN to 3000 kN	1 kN 1.3 kN	Reference Load Cell with indicator by direct method

** 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.*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY[1,2] (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Nuclear Density Gauges	1120 kg/m^3 to 2723 kg/m^3	9.6 kg/m^3	Nuclear Validator by direct method
Thermal			
RTD/Thermocouple Sensor with Indicators/ Transmitter/ Temperature Gauges/ Mercury Filled Glass Thermometer/Switch	35 °C to 630 °C	0.5 °C	Temp Calibrator Jofra Model RTC-700A by comparison method
Electrical – DC/LF			
DC Voltage – Measure[3]	100 mV to 1 V 1 V to 100 V 100 V to 1000 V	0.002 V 0.006 V 0.06 V	Direct method using Fluke 8846 Precision Multimeter
DC Current – Measure[3]	100 µA to 1 mA 1 mA to 10 mA 10 mA to 100 mA 100 mA to 1 A 1 A to 3 A 3 A to 10 A	0.6 µA 8 µA 0.07 mA 0.8 mA 5.2 mA 6.7 mA	Direct method using Fluke 8846 Precision Multimeter
AC Voltage – Measure[3]	100 mV to 1 V (50 Hz) (60 Hz) (400 Hz) 1 V to 10 V (50 Hz) (60 Hz) (400 Hz) 10 V to 100 V (50 Hz) (60 Hz) (400 Hz) 100 V to 750V (50 Hz) (60 Hz) (400 Hz)	 0.12 mV 0.12 mV 0.12 mV 0.005 V 0.005 V 0.005 V 0.11 V 0.11 V 0.11 V 0.72 V 0.72 V 0.72 V	Direct method using Fluke 8846 Precision Multimeter
AC Current – Measure[3]	(50 Hz to 1 kHz) 10 mA to 100 mA 100 mA to 1 A 1 A to 3 A (50 Hz) 3 A to 10 A	 0.16 mA 1.6 mA 7.3 mA 24 mA	Direct method using Fluke 8846 Precision Multimeter
DC Resistance – Measure[3]	100 Ω to 10 kΩ 10 kΩ to 100 MΩ	0.04 kΩ 3 kΩ	Direct method using Fluke 8846 Precision Multimeter

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY[1,2] (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
DC High Voltage - Measure[3]	Up to 35 kV	3.2 %	Fluke high voltage probe and multimeter
DC High Current - Measure[3]	Up to 40 A 40 A to 400 A 400 A to 600 A	0.9 A 1.3 A 1.8 A	Fluke AC/DC clamp Meter 355 & ESAB Check master 9000
Time and Frequency			
Frequency – Measure[3]	10 Hz to 40 Hz 40 Hz to 300 kHz	0.035 % 0.012 %	Direct method using Fluke 8846 Precision Multimeter
Stopwatches and Timers	1 min to 5 min 5 min to 1 h	1s 2 s	Stopwatch by comparison method
Tachometer (Non-contact type)	50 rpm to 10,000 rpm	6.6 rpm	Standard Stroboscope and RPM Source by direct method

[1]The 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.

[2]When 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.

[3]Capability is suitable for the calibration of devices intended to generate the indicated quantity in the stated ranges.