



INTERNATIONAL
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CERTIFICATE OF ACCREDITATION

This is to attest that

WAHAH ELECTRIC SUPPLY COMPANY OF SAUDI ARABIA (LTD).

P.O. BOX-2389, 42 STREET, FIRST INDUSTRIAL CITY
DAMMAM 2389, KINGDOM OF SAUDI ARABIA

Calibration Laboratory CL-263

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 July 22, 2023

Expiration Date June 1, 2024



A handwritten signature in black ink, reading 'Raj Nathan'.

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

WAHAH ELECTRIC SUPPLY COMPANY OF SAUDI ARABIA (LTD).

Contact Name Jerkin Policarpio

Contact Phone +966-508180952

Accredited to ISO/IEC 17025:2017

Effective Date July 22, 2023

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
<i>Electrical – DC/LF</i>			
DC Voltage – Generate ³	0 mV to 99.9999 mV 100 mV to 0.999999 V 1 V to 9.99999 V 10 V to 99.9999 V 100 V to 1000 V	3.6 µV 14 µV 0.15 mV 3.6 mV 21 mV	Multi Product Calibrator Fluke 5520A (LO-002) by direct method Multi Product Calibrator Fluke 5502A (LO-123) by direct method WES-CP-001 Rev.01 EURAMET cg-15/v3.0
DC Current – Generate ³	0 µA to 99.999 µA 100 µA to 0.99999 mA 1 mA to 9.9999 mA 10 mA to 99.9999 mA 100 mA to 0.99999 A 1 A to 10 A	0.04 µA 0.16 µA 1.4 µA 15 µA 0.28 mA 5.9 mA	Multi Product Calibrator Fluke 5520A (LO-002) by direct method Multi Product Calibrator Fluke 5502A (LO-123) by direct method WES-CP-001 Rev.01 EURAMET cg-15/v3.0
DC Resistance – Generate ³	1 Ω to 9.99999 Ω 10 Ω to 99.9999 Ω 100 Ω to 0.999999 kΩ 1 kΩ to 9.99999 kΩ 10 kΩ to 99.9999 kΩ 100 kΩ to 0.999999 MΩ 1 MΩ to 9.99999 MΩ 10 MΩ to 100 MΩ	1.6 mΩ 4.6 mΩ 0.03 Ω 0.33 Ω 3.3 Ω 0.04 kΩ 1.4 kΩ 58 kΩ	Multi Product Calibrator Fluke 5520A (LO-002) by direct method Multi Product Calibrator Fluke 5502A (LO-123) by direct method WES-CP-001 Rev.01 EURAMET cg-15/v3.0

* 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.

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MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
AC Voltage – Generate ³	(45 Hz to 5 kHz)		
	0 mV to 9.9999 mV	4.5 µV	Multi Product Calibrator Fluke 5520A (LO-002) by direct method
	10 mV to 99.9999 mV	52 µV	Multi Product Calibrator Fluke 5502A (LO-123) by direct method
	100 mV to 0.99999 V	34 µV	
	(45 Hz to 5 kHz)		
	1 V to 9.99999 V	2.4 mV	WES-CP-001 Rev.01 EURAMET cg-15/v3.0
	10 V to 99.9999 V	16 mV	
100 V to 1000 V	0.34 V		
AC Current – Generate ³	(45 Hz to 5 kHz)		
	30 µA to 99.999 µA	0.26 µA	Multi Product Calibrator Fluke 5520A (LO-002) by direct method
	100 µA to 0.99999 mA	1.4 µA	Multi Product Calibrator Fluke 5502A (LO-123) by direct method
	1 mA to 9.9999 mA	8.8 µA	
	10 mA to 99.9999 mA	96 mA	
	10 mA to 0.999999 A	1.1 mA	WES-CP-001 Rev.01 EURAMET cg-15/v3.0
	1 A to 10 A	9.2 mA	

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.

³Capability is suitable for the calibration of measuring devices in the stated ranges.