

## CALIBRATION CERTIFICATE

<b>Certificate No.:</b>		QC240101-08		<b>Date of Calibration:</b>		01-01-2024	
<b>Customer Name:</b>		Egyptian Maintenance Company(EMC) IRAQ		<b>Due Date of Calibration:</b>		31-12-2024	
<b>Instrument under Calibration:</b>		Conductivity Meter (Soluble Salt Tester)		<b>Range:</b>		0 - 199 $\mu$ S /cm	
<b>Serial No. :</b>	HR010AG1	<b>Instrument Location</b>		<b>Eq. reading (<math>\mu</math>S)</b>		0 - 199 $\mu$ S /cm	
<b>Model No. :</b>	B-771	<b>Manufacturer:</b>		ELCOMETER	<b>Job Number</b>		QC/JN/24/001
<b>Calibration Method:</b>		Certification measurements are performed under ISO Guide 34, A2LA accreditation no. 1750.02 and are traceable to recognized national and international standards via an unbroken chain of comparisons.					

**Equipment used for calibration :** Standard Conductivity Solutions/Digital Thermometer **Manufacturer: Oakton/Lutron Taiwan**

Serial No.	Model No.	Range	Traceability	Due Date
TM-917	I.46045	0 to 180 C	ANSI-A2LA	11-2024
35653-09&35653-10, 35653-11	Oakton	10 to 447, 1413	ISO Guide 34	11-2024

**Environmental Conditions during calibration:**

36.9 % RH	Calibration Temperatures Mean:20.8°C
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### RESULTS

The instrument under calibration was calibrated up to full scale according to the used standard calibration method. The following gives the under test readings and the corresponding reference mean readings:

Unit Under Calibration(M) $\mu$ S/cm	Reference Standard Value(A) $\mu$ S/cm	Deviation(M-A) $\mu$ S/cm	Uncertainty $\pm$
25	25.02	+ 0.02	5
50	50.04	+ 0.04	5
100	100.06	+ 0.06	5
150	150.08	+ 0.08	5
199	199.09	+ 0.09	5

The Instrument Specification

- This calibration was carried out in compliance with the *ISO/IEC 17025*.
- The standard/standards used in this calibration is/are traced to the SI unit of pressure through traceability to primary standards maintained in the National Institute of Standards (NIS)
- This calibration certificate refers only to the particular item submitted for calibration
- This certificate shall not be reproduced, unless written permission has been obtained from the lab
- Customer should ensure comparing between instrument data sheet and the above results before assembly.
- This certificate is valid only with signature and stamp.

Calibrated By:



End of calibration results