

Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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Loading Note No	: By Mail	APPROVED BY: L. AL-NADHARI QC
JOB NUMBER	: QC/JN/24/00192	
CERTIFICATE NUMBER	: QC240426-02	

CUSTOMER DETAILS

Name : Noor Al-Hilal
Address : North Rumiala, Basra

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Water Bath
Manufacturer : UNITY LAB SERVICE
Model : PRECISION GP 20
Location : Noor Al-Hilal Lab
Serial Number : 300562307
Type : Digital
Range : Ambient to 100°C
Readability : 0.1 °C
Accuracy : ±0.2 °C
As found : In Tolerance
Calibrated By : Asjad Rafiq
Calibration Date : April 26, 2024
Calibration Due : 25 April 2025



ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 22.0 ± 1°C Humidity : 40.0 ± 5 % RH Atm. Pressure : 1013.0 ± 10 hPa

CALIBRATION METHOD

Above mentioned instrument has been calibrated according to Device manuals.

Calibration of above mentioned instrument has performed against reference standard digital Thermometer with Type K Thermocouple. The deviations of the measurements obtained from UUC with respect to reference standards are determined to obtain the error.

REFERENCE EQUIPMENT USED :

DESCRIPTION	MAKE	MODEL #	SERIAL #	CALIBRATION DATE	DUE DATE
Digital Thermometer with K-Type Thermocouple	PATOS	DE-305	G0009036	20-Nov-23	19-Nov-24

CALIBRATION TEST RESULTS

Readings on UUC	Readings on Ref. Standard	Error	Uncertainty (95 % C.L.)
°C	°C	°C	± (°C)
30	30.06	-0.06	0.02
50	50.08	-0.08	0.02
70	70.05	-0.05	0.02
90	90.09	-0.09	0.02
100	100.15	-0.15	0.02

Calibration results were found to conform as per specified accuracy requirements. Above Instrument has **PASSED** its Calibration.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with international practice.

DEVIATION FROM STANDARD METHOD : None

REMARK (S) : ☒ The results are as found (no adjustment done).
☐ The results are post adjustment.