

Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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Date of Issue: July 1, 2024

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Loading Note No	: By Mail	CUSTOMER DETAILS	
JOB NUMBER	: QC/JN/24/00287	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: QC240701-10	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Water Bath**
 Manufacturer : Julabo
 Model : PURA 14
 Serial Number : **10731983**
 Type : Digital
 Range : 18 to 100°C
 Readability : 0.1 °C
 Accuracy : ±0.2 °C
 As found : In Tolerance
 Calibration Date : July 1, 2024

Calibration Due : 30 June 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 calibration procedure QC/CP/T/05

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.I.)
°C	°C	°C	± (°C)
25	25.05	-0.05	0.02
50	50.04	-0.04	0.02
70	70.06	-0.06	0.02
90	90.12	-0.12	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.

WITNESSED BY	REVIEWED & APPROVED BY LAB INCHARGE	CLIENT
 Hussein Alaa	 LAB INCHARGE Asjad Rafiq	