

Certificate of Calibration

Al Takamul Yard, North Rumaila, Iraq

● Phone : +964 7810009138 ● www.qualitycontrol-iraq.com ● E-mail: op@qualitycontrol-iraq.com

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REQUEST NUMBER	: By Mail	APPROVED BY LAB IN CHARGE QC
JOB NUMBER	: QC/JN/24/00193	
CERTIFICATE NUMBER	: QC240427-55	

CUSTOMER DETAILS

Name : DQ (MUD UNIT)
Address : Rumaila Base south Iraq

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **TURBIDIMETE**
Manufacturer : LaMotte
Model : 2020t
Serial Number : **3000-3522**
Range : 0 -100 NTU/FNU.
Resolutions : 0.01, 0.1 NTU/NFU
Calibrated By : Asjad Rafiq
Calibration Date : **April 27, 2024**
Calibration Due : **26 April 2025**



ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 20 °C ± 2 °C
Relative Humidity : 40 %RH ± 5 %RH

CALIBRATION METHOD

Above mentioned instrument has been calibrated according to Device manuals.
The deviations of the measurements obtained from UUC with respect to reference.

TRACEABILITY

The measurements made by Quality Control Labs, realize the physical units of measurements (SI), through its state of the art calibration standards that are controlled and maintained by QC.

REFERENCE EQUIPMENT USED :

DESCRIPTION	MANUFACTURER	BATCH NO.	EXPIRE DATE
TURBIDITY STANDARD	LaMotte	18322	28-Jan-25
TURBIDITY STANDARD	LaMotte	19652	15-Feb-25

CALIBRATION TEST RESULTS

Reference Solution Value	Readings on Unit Under Calibration	Deviation	Measurement Uncertainty
	NTU	NTU	± NTU
10.00 NTU	10.01	0.02	0.03
1.00 NTU	0.99	-0.01	0.03

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) :

1. The results relate to measurements taken at nominal value only.
2. No adjustments were made prior to calibration.
3. No accessories were fitted.
4. Values were rounded in computation.

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