

## Certificate of Calibration

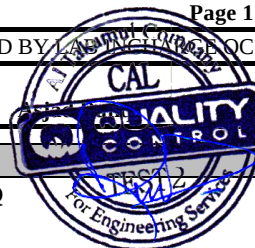
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**Date of Issue:** May 20, 2024

Page 1 of 1

|                    |                  |             |                   |
|--------------------|------------------|-------------|-------------------|
| REQUEST NUMBER     | : By Contract    | APPROVED BY | LABORATORY NO. QC |
| JOB NUMBER         | : QC/JN/24/00217 |             |                   |
| CERTIFICATE NUMBER | : QC240520-130   |             |                   |



### CUSTOMER DETAILS

**Name** : HONGHUA OIL & GAS ENGINEERING SERVICES LTD. IRAQ  
**Address** : Majnoon Oil Field , Basra - Iraq  
**Location** : HH008

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

**Description** : Pressure Gauge  
**Manufacturer** : GLOOR  
**Model** : NA  
**Serial Number** : CAL-N2-PG-01  
**Type** : Analog  
**Location** : N2 Regulator  
**Range** : 0 to 16 bar  
**Calibrated Range** : 0 to 16 bar  
**Resolution** : NA  
**Tolerance** : ±1 % of Full Scale  
**As found** : In Tolerance  
**Calibrated By** : Asjad Rafiq  
**Calibration Date** : May 20, 2024  
**Calibration Due** : 19 May 2025  
**Last Calibration Date** : NA



**DEVIATION FROM STANDARD METHOD** : None  
**REMARK (S)** :

1. No adjustments were made prior to calibration.
2. Overload test was not performed.
3. No accessories were fitted.
4. Values were rounded in computation.

### ENVIRONMENTAL CONDITIONS DURING TEST

**Ambient Temperature** : 25.0 ± 2°C    **Humidity** : 44.0 ± 5 % RH    **Atm. Pressure** : 1011.0 ± 10 hPa

### CALIBRATION METHOD

The above equipment has been calibrated in accordance with Calibration Procedure QC/CP/R/03 Rev. 01

The above instrument has been calibrated in increasing and decreasing pressure mode using a Digital Pressure Calibrator as the reference standard having traceability to Internationally recognised standards.

### REFERENCE EQUIPMENT USED

| DESCRIPTION            | SERIAL NO. | MAKE / MODEL  | CALIBRATION DATE | CALIBRATION DUE DATE |
|------------------------|------------|---------------|------------------|----------------------|
| Digital Pressure Gauge | 468802     | AMETEK / XP2i | 20 Nov, 2023     | 19 Nov, 2024         |

### CALIBRATION TEST RESULTS

| Measured Values on Unit Under Calibration (M) | Ref. Standard Values (A) | Deviation (D=M-A) | Error Percentage |
|-----------------------------------------------|--------------------------|-------------------|------------------|
| bar                                           | bar                      | bar               | ±                |
| 0                                             | 0.00                     | 0.00              | 0.0              |
| 4                                             | 3.97                     | 0.03              | 0.2              |
| 8                                             | 7.99                     | 0.01              | 0.1              |
| 12                                            | 12.01                    | -0.01             | -0.1             |
| 16                                            | 16.03                    | -0.03             | -0.2             |

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

- ☒ The results are as found (no adjustment done).  
☐ The results are post adjustment.