

Calibration Certificate

FF – 24		Page 1 of 2	
Certificate No : VIS/23-24/O-808	Date of Calibration : 26.07.2023	ULR No. : CC26952300000808F	Recommended Due Date : 26.07.2024 Date of Issue : 08.08.2023
Customer Details National Centre for Quality Calibration 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Opp. Shell Petrol Pump, Isckon-Bopal Road, Ambli, Ahmedabad – 380 058.	Calibrated at : Mechanical Lab Discipline : Mechanical Calibration Group : Pressure Indicating Device Receipt Date : 26.07.2023 Cond. On Receipt : Satisfactory Receipt No : VIS/S-429/23-24	Test Instrument : Digital Pressure Gauge Model : DPI-104 Range : 0 to 70 bar Least Count : 0.001 bar Accuracy : +/-0.05%FS	Serial No. : 3264808 ID No. : NCQC/M-76 Make : Druck
Details of Standard Used : Hydraulic Dead Weight Tester Name/Make : Fluke Calibration Phoenix Traceability : Gatrads, Ahmedabad.	Sr. No./Certi.No. : 71760 / GEC/NB/14148-P Range : 1kg/cm2 to 55kg/cm2 20kg/cm2 to 1100kg/cm2 Valid Up to : 27.11.2025	Work Instruction No : CP - 01	Standard Used : DKD-R-6-1 ISO-GUM-1995
Environment Details Temperature : (23 +/- 1.5)°C	Relative Humidity : (40 - 70)%		

Remarks

- The reported Expanded Uncertainty is calculated at 95% C.L. with Coverage Factor $k=2$.
- Readings are taken in kg/cm2 (PRESSURE) & mmHg (VACUUM)
- CONVERSION :- 1 kg/cm2 = 0.98067 bar
1 mmHg = 0.00133 bar
- Test reading is corrected for Local gravity and temperature.
- Local gravity = 9.78763363 m/s² Uncertainty = 50 ppm

NCQC
Valid up to 26-07-2024
Reviewed

Calibrated By: Harshvardhan Kumar
Lab Engineer

NCQC System Certificate No. 66

Digitally signed by
SIDDHARTH VIJAY
PATIL
Date: 2023.08.08
13:26:58 +05'30'
Approved By:
SIDDHARTH VIJAY PATIL
Technical Manager / Siddharth Patil (CEO)

Calibration Certificate

Certificate No: VIS/23-24/O-808

Page: 2 of 2

ULR No. : CC269523000000808F

Calibration Results

Sr. No.	Standard DWT Read.	Test Reading						Mean Value	Deviation	Deviation Allowed +/-	Repeatability	Hysteresis	Uncertainty +/-
		Up	Down	Up	Down	Up	Down						
		bar	bar	bar	bar	bar	bar						
1	0.0000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000	0.0350	0.0000	0.0000	0.00129
2	7.3550	7.357	7.356	7.357	7.356	7.358	7.357	7.3568	0.0018	0.0350	0.0010	0.0010	0.00198
3	10.2970	10.301	10.301	10.300	10.301	10.300	10.302	10.3008	0.0038	0.0350	0.0010	0.0010	0.00210
4	20.1037	20.110	20.109	20.111	20.109	20.110	20.109	20.1097	0.0060	0.0350	0.0010	0.0013	0.00290
5	30.4008	30.409	30.407	30.408	30.407	30.409	30.407	30.4078	0.0070	0.0350	0.0010	0.0017	0.00395
6	41.1881	41.197	41.196	41.198	41.197	41.196	41.196	41.1967	0.0086	0.0350	0.0020	0.0007	0.00535
7	50.9948	51.006	51.005	51.005	51.007	51.006	51.005	51.0057	0.0109	0.0350	0.0020	0.0013	0.00663
8	60.8015	60.814	60.813	60.813	60.814	60.814	60.815	60.8138	0.0123	0.0350	0.0020	0.0010	0.00790
9	70.6082	70.622	70.624	70.623	70.622	70.623	70.622	70.6227	0.0145	0.0350	0.0020	0.0013	0.00918

All reading are taken in kg/cm² at the time of calibration and converted to bar.

Calibrated By: Harshvardhan Kumar
Lab Engineer

Digitally signed by
SIDDHARTH VIJAY PATIL
Date: 2023.08.08
13:27:41 +05'30'

Approved By:
Technical Manager / Siddharth Patil (CEO)

Note :

- The above results are without any adjustment / repair.
- Equipment used for calibration are calibrated & traceable to National & International Standards.
- The calibration results reported are valid at the time of and under stated conditions of the measurements.
- This certificate refers to particular Items submitted for calibration.
- VIS is not liable for any change in calibration data & performance specification on account of malfunctioning of Standards/Instruments/Equipments covered by this certificate due to damage caused to it after issuance of this certificate.

---X--- END OF REPORT ---X---