

**Calibration Certificate**

**TRUE COPY**

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Certificate No : VIS/24-25/M-0692	Date of Calibration : 22.06.2024	ULR No. : CC26952400000692F	Recommended Due Date : 22.06.2025
	Date of Issue : 25.06.2024		
Customer Details : National Centre For Quality Calibration 4, Abhishree Corporate Park, Near Swagat Bungalows BRTS, Iskcon-Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat, India.	Calibrated at : Mechanical Lab	Discipline : Mechanical Calibration	Group : Pressure Indicating Device
	Receipt Date : 22.06.2024	Cond. On Receipt : Satisfactory	Receipt No : VIS/S-393/24-25
Test Instrument : Digital Pressure Gauge	Serial No. : NVEM1806036	Model : MGA N32-2	ID No. : NCQC/M-148
Range : 0 to 1000 bar	Make : Vijay Enterprises	Least Count : 0.01 bar	
Accuracy : +/- 0.05% FS			
Details of Standard Used : Hydraulic Dead Weight Tester	Sr. No./Certi.No. : 71760 / GEC/NB/14148-P	Name/Make : Fluke Calibration Phoenix	Range : 1kg/cm2 to 55kg/cm2
Traceability : Gatrada, Ahmedabad.	Valid Up to : 27.11.2025		20kg/cm2 to 1100kg/cm2
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/s<sup>2</sup> Uncertainty = 50 ppm

Calibrated By: Harshvardhan Kumar  
Lab Engineer

Approved By:  
Technical Manager / Siddharth Patil (CEO)

SIDDHARTH  
VIJAY PATIL  
Digitally signed by  
SIDDHARTH VIJAY  
PATIL  
Date: 2024.06.25  
17:34:40 +05'30'

NCQC  
Valid up to 22-06-2025  
Reviewed: *Mrga*

NCQC System Certificate No. 301



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### 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	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.500	0.000	0.000	0.01291
2	123.564	123.57	123.59	123.58	123.57	123.58	123.57	123.577	0.013	0.500	0.020	0.013	0.02443
3	245.168	245.21	245.20	245.21	245.20	245.20	245.19	245.202	0.034	0.500	0.010	0.010	0.03187
4	368.732	368.79	368.78	368.78	368.79	368.77	368.78	368.782	0.050	0.500	0.020	0.010	0.04794
5	490.335	490.40	490.39	490.41	490.40	490.40	490.39	490.398	0.063	0.500	0.010	0.010	0.06374
6	613.899	613.99	614.01	614.00	614.01	613.99	613.99	613.998	0.099	0.500	0.020	0.010	0.07981
7	735.503	735.61	735.60	735.61	735.62	735.63	735.62	735.615	0.112	0.500	0.020	0.010	0.09562
8	859.067	859.20	859.19	859.21	859.20	859.21	859.20	859.202	0.135	0.500	0.010	0.010	0.11168
9	1000.283	1000.44	1000.43	1000.43	1000.44	1000.45	1000.44	1000.438	0.155	0.500	0.020	0.010	0.13004

All reading are taken in kg/cm<sup>2</sup> at the time of calibration and converted to bar.

Digitally signed by  
**SIDDHARTH VIJAY PATIL**  
Date: 2024.06.25  
17:35:06 +05'30'

Calibrated By: Harshvardhan Kumar  
Lab Engineer

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 only 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/Equipment covered by this certificate due to damage caused to it after issuance of this certificate.

—X— END OF REPORT —X—