Vijay Instrumentation Services

A-202 Arihant Supermarket, Opp SBI Lalbaug, Manjalpur, Vadodara – 390011

Email: calibration@vijayenterprises.in

Contact: +91-7041380818 | 0265-2664870

CC-2695

Calibration Certificate

TRUE COPY

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Certificate No : VIS/24-25/M-0691 **ULR No.** : CC269524000000691F	**Date of Calibration** : 22.06.2024 **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 **Model** : MGA N32-2 **Range** : 0 to 70 bar **Least Count** : 0.001 bar **Accuracy** : +/- 0.05% FS	**Serial No.** : NVEM1806034 **ID No.** : NCQC/M-146 **Make** : Vijay Enterprises
Details of Standard Used : Hydraulic Dead Weight Tester **Name/Make** : Fluke Calibration Phoenix **Traceability** : Gatrad, 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

SIDDHARTH VIJAY PATIL

Digitally signed by SIDDHARTH VIJAY PATIL
Date: 2024.06.25 17:30:39 +05'30'

Calibrated By: Harshvardhan Kumar
Lab Engineer

Approved By:
Technical Manager / Siddharth Patil (CEO)

NCQC
Valid up to 22-06-2025
Reviewed

NCQC System Certificate No 299

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Certificate No: VIS/24-25/M-0691

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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	bar	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	0.01291
2	8.8260	8.828	8.827	8.827	8.826	8.828	8.826	8.8270	0.0010	0.0350	0.0010	0.0013	0.00231
3	17.6521	17.655	17.654	17.655	17.654	17.653	17.654	17.6542	0.0021	0.0350	0.0020	0.0010	0.00253
4	26.4781	26.482	26.481	26.481	26.483	26.482	26.481	26.4817	0.0036	0.0350	0.0020	0.0013	0.00344
5	35.3041	35.308	35.310	35.309	35.309	35.310	35.309	35.3092	0.0051	0.0350	0.0020	0.0010	0.00459
6	45.1108	45.118	45.117	45.119	45.118	45.119	45.118	45.1182	0.0074	0.0350	0.0010	0.0010	0.00586
7	52.9562	52.965	52.966	52.966	52.965	52.967	52.966	52.9658	0.0096	0.0350	0.0020	0.0010	0.00688
8	62.7629	62.774	62.775	62.775	62.774	62.776	62.775	62.7748	0.0119	0.0350	0.0020	0.0010	0.00816
9	70.6082	70.621	70.622	70.622	70.621	70.621	70.620	70.6212	0.0130	0.0350	0.0020	0.0010	0.00918

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

SIDDHARTH VIJAY PATIL

Digitally signed by SIDDHARTH VIJAY PATIL
Date: 2024.06.25 17:31:02 +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---