

TRUE COPY

Calibration Certificate

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Certificate No	: VIS/21-22/M-517	Date of Calibration	: 29.06.2021
ULR No.	: CC269521000000517F	Recommended Due Date	: 29.06.2022
		Date of Issue	: 30.06.2021
Customer Details :	National Center 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	: 26.06.2021
		Cond. On Receipt	: Satisfactory
		Receipt No	: VIS/S-302/21-22
Test Instrument : Digital Pressure Gauge		Serial No.	: NVEM1806034
Model	: MGA N32-2	ID No.	: NCQC/M-146
Range	: 0 to 70 bar	Make	: Vijay Enterprises
Least Count	: 0.001 bar		
Accuracy	: +/- 0.05%FS		
Details of Standard Used : Dead Weight Tester		Sr. No./Certi.No.	: 71760 / GEC/NB/14148-P
Name/Make	: Fluke Calibration Phoenix	Range	: 1kg/cm2 to 55kg/cm2 : 20kg/cm2 to 1100kg/cm2
Traceability	: Gatrada, Ahmedabad.	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

Calibrated By :

Harshwardhan Kumar



Approved By :

Vijay J. Patil

Lab Engineer : Mr. Harshwardhan Kumar

Technical Manager : Mr. Vijay J. Patil

NCQC System Certificate No. 299

NCQC
Valid up to 29/06/2022
Reviewed

[Signature]

Calibration Certificate

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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	0.0000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000	0.0350	0.0000	0.0000	0.00000
2	8.8260	8.826	8.827	8.828	8.829	8.829	8.828	8.8278	0.0018	0.0350	0.0030	0.0010	0.00216
3	17.6521	17.655	17.654	17.653	17.654	17.654	17.653	17.6538	0.0017	0.0350	0.0020	0.0010	0.00253
4	26.4781	26.482	26.480	26.481	26.481	26.482	26.481	26.4812	0.0031	0.0350	0.0010	0.0010	0.00344
5	35.3041	35.308	35.307	35.309	35.309	35.308	35.309	35.3083	0.0042	0.0350	0.0020	0.0007	0.00459
6	45.1108	45.116	45.118	45.117	45.116	45.118	45.117	45.1170	0.0062	0.0350	0.0020	0.0013	0.00586
7	52.9562	52.962	52.963	52.963	52.964	52.964	52.963	52.9632	0.0070	0.0350	0.0020	0.0010	0.00688
8	62.7629	62.771	62.771	62.772	62.770	62.770	62.772	62.7710	0.0081	0.0350	0.0020	0.0013	0.00816
9	70.6082	70.617	70.618	70.618	70.616	70.617	70.618	70.6173	0.0091	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 : *Harshwardhan Kumar*
Lab Engineer : Mr. Harshwardhan Kumar



Approved By : *Mr. Vijay J. Patil*
Technical Manager : Mr. Vijay J. Patil

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

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