

TRUE COPY

Calibration Certificate

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Certificate No : VIS/21-22/M-518	ULR No. : CC269521000000518F	Date of Calibration : 29.06.2021	Recommended Due Date : 29.06.2022
Customer Details : National Centre for Quality Calibration 4, Abhisree Corporate Park, Nr. Swagat Bungalows BRTS, Opp. Shell Petrol Pump, Iskon-Bopal Road, Ambli, Ahmedabad – 380 058.		Calibrated at : Mechanical Lab	Discipline : Mechanical Calibration
Test Instrument : Digital Pressure Gauge		Group : Pressure Indicating Device	Receipt Date : 26.06.2021
Model : MGA N32-2	Range : 0 to 1000 bar	Serial No. : NVEM1806036	Cond. On Receipt : Satisfactory
Least Count : 0.01 bar	Accuracy : +/- 0.05%FS	ID No. : NCQC/M-148	Receipt No : VIS/S-302/21-22
Make : Fluks	Make : Vijay Enterprises	Make : Fluks	Make : Vijay Enterprises
Details of Standard Used : Dead Weight Tester		Sr. No./Certi.No. : 71760 / GEC/NB/14148-P	Range : 1kg/cm2 to 55kg/cm2
Name/Make : Fluke Calibration Phoenix	Traceability : GaRad, Ahmedabad.	Valid Up to : 27.11.2025	Valid Up to : 27.11.2025
Work Instruction No : CP - 01	Standard Used : DKD-R-6-1	Standard Used : DKD-R-6-1	ISO-GUM-1995
Environment Details		Relative Humidity : (40 - 70)%	
Temperature : (23 +/- 1.5)°C			

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 Kumbhar

Approved By :

Vijay J. Patil

Lab Engineer : Mr. Harshwardhan Kumbhar

Technical Manager : Mr. Vijay J. Patil



NCQC System Certificate No. 301

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	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.500	0.000	0.000	0.00000
2	123.564	123.59	123.60	123.61	123.59	123.60	123.59	123.597	0.033	0.500	0.020	0.013	0.02443
3	245.168	245.23	245.22	245.23	245.24	245.23	245.24	245.232	0.064	0.500	0.020	0.010	0.03187
4	368.732	368.80	368.80	368.81	368.79	368.79	368.80	368.798	0.066	0.500	0.020	0.010	0.04794
5	490.335	490.42	490.41	490.41	490.40	490.42	490.42	490.413	0.078	0.500	0.020	0.007	0.06374
6	613.899	614.00	613.99	613.99	614.00	614.00	613.98	613.993	0.094	0.500	0.020	0.013	0.07981
7	735.503	735.61	735.60	735.60	735.59	735.59	735.60	735.598	0.095	0.500	0.020	0.010	0.09562
8	859.067	859.18	859.16	859.17	859.16	859.17	859.16	859.167	0.100	0.500	0.010	0.013	0.11168
9	1000.283	1000.40	1000.41	1000.40	1000.39	1000.40	1000.41	1000.402	0.119	0.500	0.020	0.010	0.13004

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 : *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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