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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

FF-24		Page 1 of 2	
Certificate No : VIS/23-24/M-679	ULR No. : CC26952300000679F	Date of Calibration : 27.06.2023	Recommended Due Date : 27.06.2024
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
Test Instrument : Digital Pressure Gauge		Group : Pressure Indicating Device	Receipt Date : 27.06.2023
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-373/23-24
Details of Standard Used : Hydraulic Dead Weight Tester		Make : Vijay Enterprises	
Name/Make : Fluke Calibration Phoenix	Traceability : GaTrad, Ahmedabad.	Sr. No./Certi.No. : 71760 / GEC/NB/14148-P	Range : 1kg/cm2 to 55kg/cm2
Work Instruction No : CP - 01		Valid Up to : 27.11.2025	20kg/cm2 to 1100kg/cm2
Environment Details	Temperature : (23 +/- 1.5)°C	Standard Used : DKD-R-6-1	ISO-GUM-1995
		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 27-06-2024
Reviewed _____

Calibrated By: Harshvardhan Kumar
Lab Engineer

NCQC System Certificate No. 301
SIDDHARTH

Approved By: VIJAY PATIL
Technical Manager / Siddharth Patil (CEO)

NCQC
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Page: 2 of 2

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	123.59	123.60	123.60	123.58	123.59	123.60	123.593	0.029	0.500	0.020	0.013	0.02443
3	245.168	245.23	245.22	245.21	245.22	245.23	245.21	245.220	0.052	0.500	0.020	0.013	0.03228
4	368.732	368.80	368.79	368.81	368.80	368.81	368.80	368.802	0.070	0.500	0.010	0.010	0.04794
5	490.335	490.42	490.41	490.40	490.41	490.42	490.41	490.412	0.077	0.500	0.020	0.010	0.06374
6	613.899	614.00	613.99	614.01	613.99	613.99	614.00	613.997	0.098	0.500	0.020	0.013	0.07981
7	735.503	735.62	735.61	735.60	735.60	735.61	735.60	735.607	0.104	0.500	0.020	0.007	0.09562
8	859.067	859.19	859.18	859.19	859.18	859.19	859.17	859.183	0.116	0.500	0.010	0.013	0.11168
9	1000.283	1000.42	1000.41	1000.43	1000.42	1000.43	1000.42	1000.422	0.139	0.500	0.010	0.010	0.13004

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

Calibrated By: Harshvardhan Kumar
Lab Engineer

SIDDHARTH Digitally signed by
SIDDHARTH VIJAY PATIL
Date: 2023.07.05 16:24:42 +0530
Approved By: VIJAY PATIL
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/Equipments covered by this certificate due to damage caused to it after issuance of this certificate.

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