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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 3	
Certificate No : VIS/23-24/M-677	ULR No. : CC26952300000677F	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 Compound Gauge		Group : Pressure Indicating Device	Receipt Date : 27.06.2023
Model : MGA N32-2	Range : -1 to 2 bar	Least Count : 0.0001 bar	Accuracy : +/- 0.05%FS
Details of Standard Used : Pneumatic Dead Weight Tester		Sr. No./Certi.No. : 71759 / M-200826-09-1/A	Range : -20 mmHg to -760mmHg
Name/Make : Fluke Calibration Phoenix	Traceability : Godrej, Mumbai.	Valid Up to : 26.08.2025	Standard Used : DKD-R-6-1 ISO-GUM-1995
Work Instruction No : CP - 01		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

QC  
Valid up to 27-06-2024  
Reviewed *[Signature]*

NCQC System Certificate No. 298

Calibrated By: Harshvardhan Kumar  
Lab Engineer

SIDDHARTH Digitally signed by SIDDHARTH VIJAY PATIL Date: 2023.07.05 16:25:50 +05'30'  
Approved By: VIJAY PATIL  
Technical Manager / Siddharth Patil (CEO)

QC  
Valid up to 27-06-2024  
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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	-0.98658	-0.9870	-0.9868	-0.9870	-0.9868	-0.9870	-0.9870	-0.98693	-0.00035	0.00150	0.00020	0.00013	0.00024
2	-0.89326	-0.8937	-0.8935	-0.8935	-0.8937	-0.8935	-0.8935	-0.89357	-0.00031	0.00150	0.00020	0.00013	0.00024
3	-0.78660	-0.7869	-0.7867	-0.7867	-0.7869	-0.7867	-0.7869	-0.78680	-0.00020	0.00150	0.00020	0.00020	0.00029
4	-0.58662	-0.5869	-0.5868	-0.5868	-0.5869	-0.5868	-0.5868	-0.58683	-0.00021	0.00150	0.00010	0.00007	0.00017
5	-0.39997	-0.4001	-0.4000	-0.4001	-0.4001	-0.4000	-0.4000	-0.40005	-0.00008	0.00150	0.00010	0.00003	0.00015
6	-0.29331	-0.2932	-0.2933	-0.2933	-0.2932	-0.2933	-0.2932	-0.29325	0.00006	0.00150	0.00010	0.00010	0.00021
7	-0.19998	-0.1998	-0.2000	-0.2000	-0.1998	-0.2000	-0.2000	-0.19993	0.00005	0.00150	0.00020	0.00013	0.00022
8	-0.09333	-0.0933	-0.0932	-0.0933	-0.0932	-0.0933	-0.0933	-0.09325	0.00008	0.00150	0.00010	0.00010	0.00018
9	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00000	0.00000	0.00150	0.00000	0.00000	0.00013

All reading are taken in mmHg at the time of calibration and converted to bar.

Calibrated By: Harshvardhan Kumar  
Lab Engineer

Siddharth Patil  
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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Calibration Results

Table with 14 columns: Sr. No., Standard DWT Read., Test Reading (Up/Down), Mean Value, Deviation, Deviation Allowed, Repeatability, Hysteresis, Uncertainty. Contains 9 rows of calibration data.

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

Calibrated By: Harshvardhan Kumar
Lab Engineer

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

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