



Vijay Instrument LLP
A-202 Arihant Supermarket, Opp SBI Lalbaug,
Manjalpur, Vadodara – 390011
Email: calibration@vijayenterprises.in
Contact: +91-7041380818



CC-2695

Calibration Certificate

TRUE COPY

FF – 24		Page 1	
Certificate No : VIS/24-25/M-0690-2	Date of Calibration : 22.06.2024	ULR No. : CC269524000000690F	Recommended Due Date : 22.06.2025
Amendment Date : 25.11.2024	Date of Issue : 25.06.2024	Customer Details :	
Customer Details : NCQC Laboratory LLP 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 Compound Gauge Model : MGA N32-2 Range : -1 to 2 bar Least Count : 0.0001 bar Accuracy : +/- 0.05% FS		Serial No. : NVEM1806033 ID No. : NCQC/M-145 Make : Vijay Enterprises	
Details of Standard Used : Pneumatic Dead Weight Tester Name/Make : Fluke Calibration Phoenix Traceability : Godrej, Mumbai.		Sr. No./Certi.No. : 71759 / M-200826-09-1/A Range : -20 mmHg to -760mmHg : 0.2kg/cm2 to 35kg/cm2 Valid Up to : 26.08.2025	
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 Certificate is amended for Customer Name Only.
- 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: 2024.11.25
17:22:08 +05'30'

Calibrated By: Harshvardhan Kumar
Lab Engineer

Approved By:
Technical Manager / Siddharth Patil (CEO)

NCQC System Certificate No. 298



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Page 2

Certificate No: VIS/24-25/M-0690-2
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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	-0.98658	-0.9870	-0.9871	-0.9871	-0.9870	-0.9870	-0.9871	-0.98705	-0.00047	0.00150	0.00010	0.00010	0.00020
2	-0.89326	-0.8938	-0.8937	-0.8937	-0.8938	-0.8937	-0.8938	-0.89375	-0.00049	0.00150	0.00010	0.00010	0.00020
3	-0.78660	-0.7870	-0.7869	-0.7870	-0.7870	-0.7869	-0.7869	-0.78695	-0.00035	0.00150	0.00010	0.00003	0.00016
4	-0.58662	-0.5869	-0.5870	-0.5870	-0.5869	-0.5870	-0.5869	-0.58695	-0.00033	0.00150	0.00010	0.00010	0.00019
5	-0.39997	-0.4004	-0.4002	-0.4002	-0.4004	-0.4004	-0.4002	-0.40030	-0.00033	0.00150	0.00020	0.00020	0.00028
6	-0.29331	-0.2936	-0.2934	-0.2934	-0.2936	-0.2936	-0.2934	-0.29350	-0.00019	0.00150	0.00020	0.00020	0.00020
7	-0.19998	-0.2001	-0.2002	-0.2002	-0.2001	-0.2002	-0.2001	-0.20015	-0.00017	0.00150	0.00010	0.00010	0.00018
8	-0.09333	-0.0936	-0.0935	-0.0935	-0.0936	-0.0936	-0.0935	-0.09355	-0.00022	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.

SIDDHARTH VIJAY PATIL Digitally signed by
 SIDDHARTH VIJAY PATIL
 Date: 2024.11.25 17:22:22
 +05'30'

Calibrated By: Harshvardhan Kumar
 Lab Engineer

Approved By:
 Technical Manager / Siddharth Patil (CEO)

Note :

- The above results are without any adjustment / repair.
- This certificate of above calibrated instrument should be use for scientific and industrial purpose only.
- 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. The certificate should not be reproduce expect full without the prior permission from CEO or Technical Manager.
- 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.



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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	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00000	0.00000	0.00150	0.00000	0.00000	0.00013
2	0.19613	0.1962	0.1961	0.1960	0.1960	0.1961	0.1960	0.19607	-0.00006	0.00150	0.00020	0.00007	0.00017
3	0.39227	0.3924	0.3925	0.3925	0.3924	0.3925	0.3924	0.39245	0.00018	0.00150	0.00010	0.00010	0.00018
4	0.58840	0.5886	0.5885	0.5886	0.5885	0.5885	0.5887	0.58857	0.00017	0.00150	0.00020	0.00013	0.00022
5	0.78454	0.7848	0.7847	0.7848	0.7847	0.7848	0.7846	0.78473	0.00019	0.00150	0.00010	0.00013	0.00023
6	0.98067	0.9808	0.9810	0.9809	0.9809	0.9810	0.9810	0.98093	0.00026	0.00150	0.00020	0.00007	0.00021
7	1.37294	1.3733	1.3732	1.3733	1.3732	1.3734	1.3733	1.37328	0.00034	0.00150	0.00010	0.00010	0.00023
8	1.56907	1.5695	1.5696	1.5696	1.5695	1.5695	1.5694	1.56952	0.00045	0.00150	0.00020	0.00010	0.00024
9	2.05941	2.0599	2.0598	2.0600	2.0599	2.0600	2.0599	2.05992	0.00051	0.00150	0.00010	0.00010	0.00027

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

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