VAIDYANATHESHWARA INSTRUMENTS
COMMITTED TO THE CUSTOMER SINCE - 1998
CC-2473
216, 1st Cross, Rajiv Gandhi Nagar, Bangalore - 560 096. Contact : 080-23377266,
Mob : 9986586789 / 9448080177 / 9964308118 | Email : info@viplgroup.com Web : www.viplgroup.com

CERTIFICATE OF CALIBRATION

Unit-II

NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017 With vide Certificate No: CC-2473

1 Name and Address of the Customer — M/s: MAG ENGINEERING UNIT A
(A Unit of Sandhar Technologies Ltd.)
No. 46A, 3rd Main, 2nd Phase, Peenya,
Bangalore, Karnataka - 560 058.

2 Customer Reference

2.1 ULR No.	: CC247323100010385F
2.2 SRF No.	: 8525
2.3 Certificate No.	: VI/22-23/8525-12
2.4 VI Format No.	: VI-FRM-ME-086
2.5 Dc.No & Dc Date	: SIA/RGP21-22/0365 & 13-03-2023
2.6 Date of Reciept	: 14-03-2023
2.7 Date of Issue	: 17-03-2023

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature	: Shore A Hardness Tester
3.2 Make	: STI
3.3 Range / L.C.	: 0-100 Shore / 1 Shore
3.4 Sl.No.	: 8016
3.5 DUC Condition	: Satisfactory
3.6 Ref. Doc.	: ASTM D2240-05 & SOP-16-85
3.7 No.of Pages	: 2
3.8 Calibration Date	: 17-03-2023
3.9 Calibration Due	: 16-03-2024
3.10 Calibration done at	: VI (Unit 2)
3.11 Discipline	: Mechanical (Hardness)

4 Environmental Condition

Temperature 21.3-21.8 °C Humidity 48-51 %Rh

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No.	Traceable Cert. No	Traceable To	Validity
1	Load Cell With Indicator	DRS Engg. & SL-50N	32486404	DRS/02/22/122	DRS Engg., Noida	02 - 04 - 2024

6 Note:

6.1. The Calibration Certificate relates only to the above DUC

6.2. Publication or reproduction of this Certificate in any form other than by complete set of the whole report & in the language, written, is not permitted without the written consent of VI Lab..

6.3. Corrections/erasing, invalidate the Calibration Certificate.

6.4. Calibration of the DUC are traceable to National standards/International Standards

6.5. Any error in this Certificate should be brought to our knowledge within 30 days from the date of this Cert.

6.6. Results Reported are valid at the time of and under the stated conditions of measurements.

6.7. The usage of NABL Symbol is as per NABL guidelines given in NABL-133.

Calibrated By
Hemanth Kumara G
(Calibration Engineer)

Checked By
P Santhosh Kumar
(Lab-In-Charge)

Authorised Signatory
Ganachari C.K

COMMITTED TO THE CUSTOMER SINCE - 1998

Vaidyanatheshwara Instruments

CERTIFICATE OF CALIBRATION

Unit-II

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Certificate No. VI/22-23/8525-12

Range: 0-100 Shore

LC: 1 Shore

Calibration Results

Sl. No.	Load Applied In Shore	Equivalent Force (N)	Observed Reading (N)			Mean Value (N)	Converted Value In Shore	Error In Shore
			1	2	3			
1	0	0.550	0.550	0.549	0.550	0.550	0	0
2	10	1.300	1.293	1.313	1.327	1.311	10.147	0.147
3	20	2.050	2.114	2.123	2.098	2.112	20.822	0.822
4	40	3.550	3.633	3.612	3.617	3.621	40.942	0.942
5	60	5.050	5.113	5.093	5.087	5.098	60.636	0.636
6	80	6.550	6.478	6.481	6.471	6.477	79.022	-0.978
7	100	8.050	8.123	8.131	8.113	8.122	100.964	0.964

For Shore A : Force(N)=0.55+(0.075xHA)

Where, HA = Hardness readning on type A Hardness Tester.

Conclusion / Remarks:

1. All Readings are with in Specified accuracy limits.
2. Measurement Uncertainity reported is ±2.2 shore at 95.45% confidence level withnCoverage Factor K = 2.

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Authorised Signatory
Gangadhar G.K