



CASTRO ENGINEERING PVT. LTD.

(NABL Accredited Lab & An ISO 9001 certified Organization)

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CC-3907



CALIBRATION CERTIFICATE

ULR No: CC390726000001284F

Calibration Certificate No.: CE-26-02/137/S 1208/01N/jd

Issue Date: 21.02.2026 Page No: 1 of 1

Date of Calibration: 19.02.2026

Recommended Calibration Due On: 19.02.2027

Calibrated For

:M/s. Synergy Industrial Services Pvt.Ltd.

Plot P1(F),Hospital Road,WBIIDC Growth Centre,Kalyani-741235,West Bengal,India.

Description of instrument to be calibrated

: Shore A Hardness Tester

Location: Shed II

Make: Matrutara, SL No: 10581, Model: HTR-1

Range: 0-100 Shore A , L.C.: 1 Shore A

Calibration Location & Instrument Receipt Date

: At Lab (18.02.2026)

Identification of Instrument

: SISPL/SHT-01

Traceability and its reference certificate

:

Description	Traceability Certificate No.	Calibration Date	Valid upto	Calibration Agency
Digital Weighing Balance	CE-25-08/C078/04	18.08.2025	18.08.2026	CEPL
Micrometer Head	CE-25-11/C078/09	25.11.2025	25.11.2026	CEPL

Traceability: Standards used for calibration are traceable to National Standards through NABL accredited laboratory

Environmental conditions

: Temperature: 23°C±2°C Humidity: 50±10%RH

Noise Level: 6dBA Illumination: 250 -500 lux

Principle / Methodology of calibration

: As per Work Instruction (WI- 01)

Calibrated By

: S.Deyashi

Discipline

: Mechanical

Nominal Value on UUC (Shore A)	Calibration Results (Spring Force Method)			Calibration Results (Depth Indentation Method)		
	Corresponding Value in gf. (where g=9.81) ΔF = ± 7.65 gf	Observed Value in gf.	Observed Converted Value in Shore A	Corresponding Value of Indentation Depth in mm. Δl = ± 0.02 mm	Observed Value in mm	Observed Converted Value in Shore A
10	132.52	132.62	10.01	2.25	2.23	9.91
20	208.97	209.23	20.02	2.00	1.99	19.90
30	285.42	287.55	30.22	1.75	1.74	29.83
40	361.88	365.18	40.25	1.50	1.48	39.47
50	438.33	440.72	50.27	1.25	1.24	49.60
60	514.78	517.28	60.29	1.00	0.98	58.80
70	591.23	593.88	70.31	0.75	0.73	68.13
80	667.69	670.84	80.38	0.50	0.49	78.40
90	744.14	747.74	90.44	0.25	0.23	82.80
100	820.59	824.28	100.45	0.00	0.00	100.00

Maximum Expanded Uncertainty at 95% confidence level (K=1.96) is = 2.70%

- Note:
- UUC: Unit under Calibration.
 - The results in the certificate are valid at the time of measurement under stated conditions.
 - The certificate if produced for any purpose commercial or otherwise should be reproduced in full. Partial of the certificate or an abstract thereof has to be got specifically approved from the technical and the quality manager of this job.

This certificate, issued by Castro Engineering Pvt. Ltd., refers only the particular item submitted to calibrate.

END OF CERTIFICATE

CHECKED BY

C = CAPABILITY A = AUTHENTIC S = SOLUTION T = TARGET R = RAPID O = ORGANIZED

For any complaint, suggestion or queries, Please Call us : 08584853736 / 08584853734