COMMITTED TO THE CUSTOMER SINCE - 1996

VAIDYANATHESHWARA INSTRUMENTS

CC-2473

No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.
Ph : 080-23377266, Mob : 9986586789 / 9632221171 / 9964308118 | Email : info@viplgroup.com Web : www.viplgroup.com

CERTIFICATE OF CALIBRATION

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

Date Of Issue: 17-03-2023
Sheet : 1 of 1

Format No. : VI-FRM-ME-003	**ULR No.:** CC247323100010382F		**Report No: VI/22-23/8525-09**
Customer Name and Address:	**M/S. MAG ENGINEERING UNIT A** **(A Unit of Sandhar Technologies Ltd.)** **No. 46A, 3rd Main, 2nd Phase, Peenya,** **Bangalore, Karnataka - 560 058.**		
Customer Ref. No. and Date	DC No.: SIA/RGP21-22/0365 & 13-03-2023	**Received Condition**	Satisfactory
SRF. No.	8525	**Date of Receipt**	14-03-2023

CALIBRATED INSTRUMENT / EQUIPMENT DETAILS

Nomenclature	**Digital Micrometer**		Make / Model	**Mitutoyo / MDC-25PJ**
Range / Resolution	**0-25 mm**	**0.001mm**	Sl No. / ID.No.	**05162055 / M114**
Calibration Done At	**VI Mechanical Lab**		Temperature / Humidity	**20.1-20.4°C** / **50-53%RH**
Calibrated on	**17-03-2023**		Calibration due on	**16-03-2024**
Discipline	**Mechanical (Dimensional)**			

MASTER EQUIPMENT TRACEABILITY DETAILS

Sl.No.	Nomenclature	Make / Model	Sl. No.	Traceable Cert. No.	Traceable to	Validity
1	Tung Carb Gauge Block Set	KCP / M10	10014	VI/22-23/INT-ME-125	VI-Bangalore	20 - 07 - 2023
2	Tung Carb Gauge Block Set	KCP / M112	10021	VI/22-23/INT-ME-126	VI-Bangalore	21 - 07 - 2023

The master equipments used are traceable to National Standards | **Ref. Doc.** | Based on: IS 2967 and SOP-16-03

CALIBRATION RESULTS — All values are in mm

Sl.No.	Micrometer Reading (A)	Slip gauge size (B)	Error(A-B)	Permissible Error (±)
1	0.000 (Set)	0.00	0.000	0.002
2	2.500	2.50	0.000	0.004
3	5.100	5.10	0.000	0.004
4	7.700	7.70	0.000	0.004
5	10.299	10.30	-0.001	0.004
6	12.899	12.90	-0.001	0.004
7	14.999	15.00	-0.001	0.004
8	17.599	17.60	-0.001	0.004
9	20.199	20.20	-0.001	0.004
10	22.798	22.80	-0.002	0.004
11	24.998	25.00	-0.002	0.004
Parallelism of measuring faces			0.001	0.002

Note :

- Determination of step sizes, parallelism and flatness of measuring faces of micrometer by direct method using gauge blocks.

Conclusion :

- Uncertainty of calibration at 95.45 % Confidence level and Coverage Factor K = 2 : **±2.0µm**
- The Reported Results are valid only for the conditions of the received Instruments /gauges at the time of and under the stated conditions of the calibration.

Calibrated By
Hemanth Kumara G
(Calibration Engineer)

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

Authorized By
Gangadhar G.K