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CALIBRATION REPORT

Submitted By	:	HOYA MEDICAL SINGAPORE PTE LTD 455A Jalan Ahmad Ibrahim Singapore 639939
Instrument ID	:	05-800201-13
Instrument	:	Digimatic Caliper
Manufacturer	:	Mitutoyo
Model Number / Code Number	:	CD-8"CX / 500-172-20
Serial Number	:	06209078
Ambient Temperature	:	20°C ± 1°C
Relative Humidity	:	(40 to 70) % relative humidity
Date Calibrated	:	25-JUL-2022
Recommended Due Date	:	24-JUL-2023
Date Issued	:	26-JUL-2022
Date Received	:	22-JUL-2022

SGS Standard Measurement Laboratory certifies that the above-named unit-under-test has been calibrated under the environmental conditions as stated above.

The calibration was carried out with reference to the following calibration and measurement standards which are traceable to the International System of Units (SI) through National Metrology Institutes (**NMC A*STAR**, **NIST** or **NPL**).

Method of Calibration:

The method of calibration is based on the procedure PR-(SG)-[I&E]-[SMD-LIN-002-G]-SOP-REV02 based on ISO 13385-1 :2011 (E). The calibration points are agreed and requested by customer.

Reference Standard(s) Used During Calibration:

<u>Standard Used</u>	<u>Model No.</u>	<u>Serial no.</u>	<u>Cal Due Date</u>
Reference Gauge Block Set	516-937	183186	11-NOV-2022
Caliper Checker	515-551	010266	10-NOV-2022

Results of Calibration:

The results of calibration are given on the attached calibration data.

The expanded measurement uncertainties estimated at a level of confidence of approximately 95% with a coverage factor $k = 2$ is 0.02 mm.

The instrument was found to be within specification based on Manufacturer's requirements.

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Calibrated By
ADDERLY POON
(CALIBRATION OFFICER)



Approved By
EDMUND TAN
(CALIBRATION EXECUTIVE)

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1.0 Range : 0 mm to 200 mm x 0.01 mm Resolution		
1.1 Results of External Measurement		Accuracy Requirement : ± 0.02 mm
Applied Value (mm)	Indicated Value (mm)	Correction (mm)
0.00	0.00	0.00
0.50	0.50	0.00
1.00	1.00	0.00
1.05	1.05	0.00
1.10	1.10	0.00
2.00	2.00	0.00
5.00	5.00	0.00
10.00	10.00	0.00
15.00	15.00	0.00
20.00	20.00	0.00
50.00	50.00	0.00
100.00	100.00	0.00
150.00	150.00	0.00
200.00	200.00	0.00

2.0 Results of Internal Measurement		Accuracy Requirement : ± 0.02 mm
Applied Value (mm)	Indicated Value (mm)	Correction (mm)
0.00	0.00	0.00
5.00	5.00	0.00
10.00	10.00	0.00
20.00	20.00	0.00
50.00	50.00	0.00
100.00	100.00	0.00
150.00	150.00	0.00


REMARKS:

- The user should determine the suitability of the instrument for its intended use.
- The last digit was found intermittent.

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