Galaxy Aerospace

Calibration Laboratory

CALIBRATION CERTIFICATE

Issued By: GALAXY Aerospace (M) Sdn Bhd (1040262-D)
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Customer:	GALAXY AEROSPACE (M) SDN BHD	**CERTIFICATE NO:**	**GAM/CL-24-CPR006**
		Date Of Issue:	18 JUNE 2024
Work Order No:	GAM-CL-WO-24-CPR006		
Instrument:	CALLIPER	**Instrument Conditions**	
Model:	INSIZE	Received:	GOOD
Part No:	1205-150S	Returned:	GOOD
Serial No:	1610200456		
Equipment Id:	CTE/181		
Capacity/Range:	0-150 mm	**Environmental Conditions**	
Date Of Receipt:	28 MAY 2024	Ambient Temperature:	(min)19.4°C/(max)20.9°C
Date Of Calibration:	18 JUNE 2024	Relative Humidity:	(min)44.6%RH/(max)59.1%RH
Recalibration Date:	18 JUNE 2025	Recommended Date Due:	ANNUALLY

(Specified By Customer) The user should be aware there are many factors may cause this instrument to drift out of calibration limits prior to the stated recalibration date.

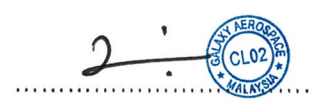
REFERENCE STANDARD USED

MODEL	DESCRIPTION	SERIAL NO	CAL DUE	TRACEABILITY
ADITYA	CALLIPER CHECKER	1337	N/A	C/07/220019 (ADITYA ENGINEERING COMPANY)

CALIBRATION METHOD: DIMENSIONAL CL-TP-04

The Standard instruments used in this calibration are traceable to either the National Standard maintained at the National Metrology Institute of Malaysia or other recognized International Standard Laboratories.

CALIBRATED BY APPROVED SIGNATORY



Instrument Condition When Returned:		
	CALIBRATED	X
	TESTED	
	REPAIRED	
	VERIFICATION	

The report shall not be reproduced without the written approval of calibration Laboratory.
Measurement Uncertainty: Refer to calibration results.
The uncertainty calculation is based on the ISO Guide to the Expression of Uncertainty in Measurement.
Note1: This calibration was performed according to ISO/IEC 17025:2017.

CALIBRATION RESULTS

The item has been calibrated in accordance with pertinent reference and all data is within manufacturers or customer's requirement. The calibration measurement standards are traceable to National and Internal Standards.

External Measurement, Unit in mm						
Nominal Value	Reading			Max	Min	Parallelism
	Root	Middle	Tip			Max - Min
0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.00	20.00	20.00	20.00	20.00	20.00	0.00
50.00	50.00	50.00	50.00	50.00	50.00	0.00
100.00	100.00	100.00	100.00	100.00	100.00	0.00
150.00	150.00	150.00	150.00	150.00	150.00	0.00

Internal Measurement, Unit in mm						
Nominal Value	Reference Value	Internal			Average	Error
		Read 1	Read 2	Read 3		
0.00	0.0000	0.00	0.00	0.00	0.00	0.0000
20.00	19.9995	20.00	20.00	20.00	20.00	0.0005
50.00	49.9998	50.00	50.00	50.00	50.00	0.0002
100.00	99.9996	100.00	100.00	100.00	100.00	0.0004
150.00	150.0000	150.00	150.00	150.00	150.00	0.0000

Line Contact Error Unit in mm			
Nominal Value	External		Error, L
Pin Gauge	Root	Tip	[Root-Tip]
9.99929	10.00	10.00	0

Measurement Uncertainty: ± 0.06 mm

The expended uncertainties are based on estimate confidence probability of approximately at 95% and have a coverage factor of k=2 unless stated otherwise.