

MEASUREMENT REPORT

My Metrology Laboratory

My Address, My Country

UKAS Accreditation No: K-0123

Report No:

MR-2026-0001

Status: SIGNED

Issued: 2026/05/27

REPORT NUMBER

MR-2026-0001

INSPECTION JOB

INS-0001

OVERALL RESULT

PASS

PART / COMPONENT

PART NUMBER

PN-1024

DRAWING REF

DRW-1024

REVISION

B

DESCRIPTION

Hydraulic Cylinder Rod

MATERIAL

EN24T Steel

CUSTOMER

ABC Manufacturing (Pty) Ltd

BATCH SIZE

50

SAMPLE SIZE

5

MEASURING EQUIPMENT (TRACEABILITY)

INSTRUMENT

MIC-001

DESCRIPTION

Outside Micrometer 0-25mm

SERIAL NUMBER

MT56789012

ENVIRONMENTAL CONDITIONS

TEMPERATURE

21.5 °C

RELATIVE HUMIDITY

50 %RH

INSPECTION DATE

2026-05-20

INSPECTION RESULTS

Feature

Nominal

LSL

USL

Mean

Std Dev

Cpk

Result

Rod Diameter	24.0000	23.9870	24.0130	24.0010	0.0016	2.53	PASS
Overall Length	150.0000	149.9000	150.1000	150.0160	0.0114	2.46	PASS
Surface Runout	0.0000	—	0.0200	0.0100	0.0016	2.11	PASS

OVERALL CONFORMANCE:

PASS

AUTHORISED BY

Lab Administrator

My Metrology Laboratory

Date: 2026/05/27

Advanced Electronic Signature Applied

Verification: 03919098c557795d9ba66bd06f797ab5
a78fe7616ce73b4c

MY STAMP DETAILS

SOFT DEV

0321321

JUNE 2026

Conformance determined per feature against drawing tolerances. Where measurement uncertainty is supplied, decisions follow binary acceptance with shared risk (ILAC-G8); features whose uncertainty band crosses a limit are reported as CONDITIONAL. Cpk is the process-capability index from repeat measurements.