SHEARFORGE

SUPPLIED BY FORGAXIS

INSPECTION CERTIFICATE 3.1

according to EN 10204:2004

ISO 9001:2015 certified by CQM
Cert. No. [CQM CERT NO.]

Certificate No.	Date of issue	Revision	Works order No.
QC-2026-0158	2026-11-14	0	WO-2026-0412

1 ORDER AND PARTIES

Manufacturer	[Plant full legal name]	Document type	EN 10204:2004 Type 3.1
Purchaser	Sample Customer Pty Ltd	Purchaser order No.	PO-000000
Seller / Exporter	Forgaxis Co., Ltd.	Seller order No.	FGX-SO-2026-000

2 PRODUCT

Product	Hydraulic piston rod with one-piece forged eye end, induction hardened, hard chrome plated		
Steel grade	42CrMo	Material standard	GB/T 3077-2015
Delivery condition	Quenched and tempered (+QT)	Heat No.	S26-0000
Steelmaker	Sample Steel Mill	Mill certificate No.	MC-2026-0000
Technical requirements	Customer drawing PR-1203 Rev.B and purchase order PO-000000. Default values per Forgaxis piston rod specification where the drawing is silent.		

Item	Drawing No. / Rev.	Description	Qty (pcs)	Marking
1	PR-1203 Rev.B	Piston rod Ø60 × 1200, eye Ø110	80	None
2	PR-1204 Rev.A	Piston rod Ø60 × 950, eye Ø110	40	None
3				
4				
		Total quantity	**120**	

3 TEST RESULTS

Chemical composition, heat analysis (%) · source: steel mill certificate

Element	C	Si	Mn	P	S	Cr	Mo	Ni	Cu
Min.	0.38	0.17	0.50			0.90	0.15		
Max.	0.45	0.37	0.80	0.030	0.030	1.20	0.25	0.30	0.30
Actual	**0.42**	**0.25**	**0.65**	**0.014**	**0.006**	**1.05**	**0.20**	**0.03**	**0.04**
Result	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**

Heat treatment

Condition	Quenched and tempered (Q&T)	HT batch No.	HT-2026-0000
Quench temp. (°C)	850	Quench medium	Oil
Temper temp. (°C)	560	Hold time (h)	3

Hardness and case depth

Characteristic	Unit	Min.	Max.	Actual	Result	Remark
Core hardness, Q&T	HRC	22	27	**25**	**OK**	
Surface hardness, induction hardened	HRC	47	53	**50**	**OK**	
Case depth	mm	2.0	4.0	**2.4**	**OK**	Test piece per batch

4 NON-DESTRUCTIVE, DIMENSIONAL AND SURFACE INSPECTION

Inspection	Standard	Acceptance	Extent	Result	Report No.
Visual and dimensional	Drawing	Drawing tolerances	100%	**Pass**	DIM-2026-0000
Ultrasonic (UT)	ASTM A388/A388M	Per order	100%	**Pass**	UT-2026-0000
Magnetic particle (MT)	EN 10228-1	Quality class 3	100%	**Pass**	MT-2026-0000
Hard chrome plating	Drawing	50–70 µm, 800–1200 HV	Per batch	**Pass**	CR-2026-0000

OVERALL RESULT — **ACCEPTED**

5 VALIDATION

We hereby certify that the products described above have been manufactured, inspected and tested in accordance with the order requirements, and that the results comply with the specified requirements.

Annexes: steel mill certificate and the inspection reports listed in section 4. Tensile and impact tests, where ordered, are reported by an external accredited laboratory and annexed.

Place and date of issue	Xuancheng, 2026-11-14	Signature and inspection stamp
Inspection representative	SPECIMEN	SAMPLE
Position	QC Manager	

Authorised by the manufacturer and independent of the manufacturing department, as required for EN 10204 type 3.1.

SAMPLE CERTIFICATE FOR ILLUSTRATION ONLY. Values are representative and do not refer to any actual order, heat or shipment. Actual EN 10204 3.1 certificates are issued per order, signed and stamped by the plant's authorised inspection representative, with the steel mill certificate and inspection reports annexed.