

材料质量证明书
Material Test Certificate
(EN 10204 3.1)

Customer	JC Manufacturing Group (Shanghai) Co., Ltd.				Material	UNS N07718	Melting process:	Elektro-Ofen, electric furnace										Diameter of test bar/test temp:	12.5±0.1mm/Room temp									
Specification	ASTM B637-25				Delivery condition	成品 Finished product	product type	锻件 Forgings										Cert.No.	JC-260120-1									
采购订单号 PO NO	炉号 Heat No	零件名称 Part Name	产品编号 Component Code	图号 Drawing No	规格 Spec	数量 Qty	Source of chemical composition: Tensile bars																机械性能 MECHANICAL PROPERTIES					
							化学成分 Chemical Composition (%)																ASTM A370-24a					
							C	Si	Mn	P	S	Cr	Ni	Mo	Cu	Co	Ti	AL	B	Fe	Nb+Ta	T.S. (Mpa)	Rp0.2	EL. (%)	R.A. (%)	Hardness (HBW)		
≤0.08	≤0.35	≤0.35	≤0.015	≤0.015	17.0-21.0	50.0-55.0	2.8-3.3	≤0.30	≤1.0	0.65-1.15	0.2-0.8	≤0.006	Bal	4.75-5.5	≥1275	≥1034	≥12	≥15	≥331									
001	KF-B-005064	阀杆 STEM	E2550EG20003	2550EG020E REV.1	23*71	2	0.057	0.210	0.249	0.002	0.004	17.990	51.170	3.010	0.010	0.180	1.018	0.612	0.005	20.280	4.985	1287	1062	22	26	352		
002	KF-B-005064	固定轴 Fixed shaft	EG2550EG25001	2550EG025EG	62*55	2	0.057	0.210	0.249	0.002	0.004	17.990	51.170	3.010	0.010	0.180	1.018	0.612	0.005	20.280	4.985	1287	1062	22	26	352		
热处理 Heat Treatment		处理方法 Method		热处理批次 Heat Treatment Batch No.		炉子类型 Furnace Type		升温温度 摄氏度 Temp. (°C)		保温时间, 小时 Holding Time, Hours		冷却方法 Cooling method		方法 Method			报告编号 Refer. No.	结论 Result										
		√ 固溶Solid Solution		241024-3		罩式电阻炉 Bell Type Furnace		980°C		2h30mins		水冷 water cool		VT	√	目测VT	-	Pass										
		√ 时效 Aging				罩式电阻炉 Bell Type Furnace		718°C		8h		炉冷 Furnace cooling		无损检测 NDE	√	PT REPORT	PT-260110-1	Pass										
		√ 时效 Aging				罩式电阻炉 Bell Type Furnace		621°C		8h		空冷 Air cool		Corrosion Test														
1: We hereby confirm that the material was manufactured, sampled, tested and inspected in accordance with the material specification and customer requirements.							5: Grain size is class 8 according to ASTM E112.																					
2: According the material meets customer requirements or specification PS04 I1Rev.9.							6: According material meets material standard.																					
3: The material fulfills NACE MR-0175 and MR0103 standard requirements.							7: The material is free from radioactive contamination																					
4: The product fulfill the visual examination criteria of MSS SP-55.							8: The QM-system fulfills Pressure Equipment Directive 2014/68/EU and ISO9001:2015																					
9: Some other special requirement: /																												
检验员 Inspector		刘钰 Liu Yu				批准 (质量经理) Approved by (QA/QC Manager)				张涛 Zhang Tao				日期 Date		2026.01.20												

