

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

Customer		JC Manufacturing Group (Shanghai) Co., Ltd.			Material	17-4PH (H1150D)		Melting process:		Elektro-Ofen, electric furnace				Diamter of test bar/test temp:		12.5±0.1mm/Room temp								
Specification		A564/A 564M-2019a			Delivery condition	成品 Finished product		product type		棒料 Bar Stock				Cert.No.		JC-250314-5								
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 A370-2024							
							C	Si	Mn	P	S	Cr	Ni	Cu	Nb+Ta			T.S. (Mpa)	Rp0.2	EL. (%)	R.A. (%)	Hardness (HBW)	Impact Test (20-25°C)41J	
≤0.07	≤1.00	≤1.00	≤0.04	≤0.03	15.0-17.5	3.0-5.0	3.0-5.0	0.15-0.45			≥860	≥725	≥16	≥50	255-311	10*10*55mm								
003	KF-B-002674	固定轴 Fixed shaft	60901502057PH	6090TB150EG	98*106.5	6	0.040	0.450	0.520	0.031	0.004	15.700	3.780	3.400	0.210		895	748	23	66	280	120	116	118
007	KF-B-002674	固定轴 Fixed shaft	60600502057PH	6060TB050EG REV.2	60*64	3	0.040	0.450	0.520	0.031	0.004	15.700	3.780	3.400	0.210		895	748	23	66	280	120	116	118
005	KF-B-002674	固定轴 Fixed shaft	EG6050TB50001	6050TB050EG REV.2	111*80	3	0.040	0.450	0.520	0.031	0.004	15.700	3.780	3.400	0.210		895	748	23	66	280	120	116	118
004	KF-B-004438	阀杆 STEM	E6050TB50001	6050TB050E REV.6	49*176	3	0.046	0.360	0.550	0.033	0.002	15.680	4.220	3.220	0.192		889	741	26	62	277	116	122	118
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		241210-3-1		罩式电阻炉 Bell Type Furnace		1050°C		5h30mins		水冷 water cool		VT		√		目测VT		-		Pass	
		✓	时效 Aging				罩式电阻炉 Bell Type Furnace		620°C		4h		空冷 Air cooling		无损检测 NDE		√		PT REPORT		PT-250301-5		Pass	
		✓	时效 Aging				罩式电阻炉 Bell Type Furnace		620°C		4h		空冷 Air cooling		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		2025.03.14										

