

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

Customer	JC Valvulas India Private Limited			Material	CF8M			Melting process:	Elektro-Ofen, electric furnace						Diamter of test bar/test temp:	12.5±0.1mm/Room temp							
Specification	ASTM A351/A351M-2018 e1			Delivery condition	成品 Finished product			product type	铸件 Casting						Cert.No.	20230616-1							
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 A370-2021						
							C	Si	Mn	P	S	Cr	Ni	Mo				T.S. (Mpa)	Rp0.2	EL. (%)	R.A. (%)	Hardness (HBW)	Impact Test (°C)J
≤0.08	≤1.50	≤1.50	≤0.040	≤0.040	18.0-21.0	9.0-12.0	2.0-3.0				≥485	≥205	≥30	-	-	10*10*55mm							
2324000102001	KF-B-002805	球体BALL	B100D CF8M	00810311 Rev 1 JC-MDS-307	100*160*122	400	0.049	0.454	1.149	0.032	0.002	18.450	9.320	2.106				518	226	45			
2324000102002	KF-B-002815	球体BALL	B125I CF8M	00820331 Rev 0 JC-MDS-30I	125*200*152	64	0.048	1.039	0.877	0.033	0.002	18.400	9.140	2.076				531	219	48			
2324000102003	KF-B-002826	球体BALL	B80D CF8M	00800311 Rev 1 JC-MDS-307	80*127*95	500	0.051	0.970	1.046	0.030	0.003	18.330	9.240	2.120				526	230	40			
2324000102004	KF-B-002836	球体BALL	X2B-250-2515N-01-30I CF8M	X2B-250-2515N-01 Rev 4 JC-MDS-30I	252*388*291	14	0.058	1.168	1.065	0.032	0.002	18.250	9.230	2.075				520	231	38			
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		230510-26			罩式电阻炉 Bell Type Furnace		1080°C		3h		水冷 water cool		VT	√	目测VT	-	Pass				
															无损检测 NDE								
															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		余淑琼 Yushuqiong 张玉 Zhangyu				批准 (质量经理) Approved by (QA/QC Manager)				张涛 ZhangTao		日期 Date		2023.06.16									

