

MATERIAL TEST CERTIFICATE

EN10204:2004 3.1

YONGJIA TONG BALL Valve Co., Ltd.

Address: Dongou Industrial Zone, Oubei Street, Yongjia County, Zhejiang Province (1st Floor Plant of Wenzhou Huajiang Industrial Co., Ltd)

Purchaser:	JC Fabrica de Valvulas, s.a.	Material Specification:	ASTM A479 Tp.316			NO:	R25030057							
Order No.:	2135				Date: 2025-03-10									
Heat No.	Chemical Composition (%)													
		C	Mn	Si	S	P	Cr	Mo	Ni					
	Specification	≤0.08	≤2.00	≤1.00	≤0.03	≤0.045	16-18	2-3	10-14					
	Actual	0.018	0.965	0.375	0.0024	0.0387	16.4	2.044	10.05					
SF6643L	Mechanical Property Test													
	Tensile Test					Impact Test			Hardness					
H.T Batch No.	Test Temp.	Tensile				Impact			Hardness					
		σb (Mpa)	σs 0.2 (Mpa)	Elongation (%)	Reduction of Area (%)	Temp. (°C)	Specimen Size	AkV (J)(minimum)		(HB)(max)				
BD012502213	Ambient Temp.	STD	Min515	Min205	Min30	Min40			(1)	(2)	(3)	(1)	(2)	(3)
		Actual	569	258	52	85							160	155
									Avg			Avg	158.67	
Heat No.	Other Test			Visual and Dimensional			Heat Treatment			Remarks				
	PT	UT	-	Accepted			Solution 1040°C 5h Water Cold			-				
SF6643L	Accepted	Accepted	Accepted											
PO.SR.No.	Drawing No.	Item Description				Qty	Heat No.	YONGJIA TONG BALL Valve Co., Ltd.						
JCB250123-2000	6060IG500SA REV. 1	SEAT 572.9*488*80 A479 Tp.316+6060IG500AD				6	SF6643L	Quality auditor:						

We hereby certify that the parts listed above are manufactured and inspected, tested in accordance with the requirements of material specification ASTM A479 Tp.316 the material conforms to MR0175 for hardness.