



**ZHEJIANG SHIDAI CASTING CO., LTD.
MILL TEST CERTIFICATE REPORT**

address: JinQiao Industrial Area, TaoShan Town, Rui'an City, P.R.China.

DATE:2025.02.15

CLIENT :JC fabrica de valvulas,s.a. ISO 9001 / approved CE 2014/68/EU / approved MAT. CERT. Nº: SD25021507-C69517-B2

PO No.:	STOCK	PO DATE :	2024.12.03	Tensile Test bar	Dimension (mm)	Section (mm ²)	Length (mm)	Testing Temperature (°C)	Brinell Hardness	Load (Kg.f)	Location	Impact Test	Impact block size (mm)	Impact direction												
Material Specification	EN10213:2007+AI:2016 1.4408	Certificate type	DIN 50049 – EN 10204 – 3.1	Actual	12.50	122.718463	50	room temp	Actual	3000	surface	-50°C	10*10*50	transverse												
COMPONENT	Chemical Composition										Mechanical Properties					Impact Test										
DWG/PATERN Nº	0516100L			sample	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	-	-	-	UTS (Rm)	YS (Rp1.0)	EL (A)	ROA (Z)	Hardness	Energy value (J)				
NAME:	CAP																					No. 1	No. 2	No. 3	T	
Heat Treatment	Temp(°C)	Time (h)	Cooling Method	Ingot casting	%										(Mpa)	(Mpa)	(%)	(%)	(HBW)							
Actual	Solution 1080	2	Water cooling		Heat No.	Qty.	Size:	Class:	Min	Max	-	-	-	-	-	-	-	400	210	30	-	-	60	60	60	(°C)
										0.07	1.50	1.50	0.040	0.030	21.0	12.0	2.50	0.50	-	-	-	237	-	-	-	-
4L39	63	DN-100	PN-16			0.044	0.71	1.17	0.032	0.002	18.41	9.18	2.06	0.13	-	-	-	535	240	60	-	149-149-149	119	157	147	-50
4L37	60	DN-100	PN-16			0.053	0.69	1.08	0.034	0.002	18.33	9.16	2.08	0.22	-	-	-	535	250	52	-	155-155-155	144	135	131	-50
4J14	60	DN-100	PN-16			0.045	0.86	0.98	0.030	0.002	18.37	9.15	2.09	0.1	-	-	-	530	240	58	-	158-158-158	122	141	108	-50



1.-Visual inspection: accepted according to MSS-SP 55.Other information: no major repairs carried out.
2.-We certify that the above material has been manufactured and processed according to requirement of the above P.O.
3-These supply materials are in accordance with NACE MR 01-75/ISO 15156 and NACE MR 01-03/ISO 17945.

Authorised Inspector's Name, Signature & Date: Huang haiqin 2025.02.15 Engineer Q.A's Name, Signature & Date: LI yong 2025.02.15 Laboratory Incharge's name, Signature & Date: Lin jun 2025.02.15