



**ZHEJIANG SHIDAI CASTING CO., LTD.**  
**MILL TEST CERTIFICATE REPORT**  
 address: JinQiao Industrial Area, TaoShan Town, Rui'an City, P.R.China.

DATE:2024.10.04

CLIENT :JC fabrica de valvulas,s.a.      ISO 9001 / approved      CE 2014/68/EU / approved      MAT. CERT. N°:      SD24100407-C61996

PO No.:	37915	PO DATE :	2024.06.06	Tensile Test bar	Dimension (mm)	Section (mm <sup>2</sup> )	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	-100°C	10*10*50	transverse											
COMPONENT	Chemical Composition										Mechanical Properties					Impact Test									
DWG/PATERN N°	0540050CQ			sample	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	-	-	-	UTS (Rm)	YS (Rp1.0)	EL (A)	ROA (Z)	Hardness	Energy value (J)			
NAME:	BODY																					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		Min	Max	-	-	-	-	-	18.0	9.00	2.00	-	-	-	400	210	30	-	-	60	60	60
Heat No.	Qty.	Size:	Class:	Min	Max	0.07	1.50	1.50	0.040	0.030	21.0	12.0	2.50	0.50	-	-	640	-	-	-	237	-	-	-	-
9J37	5					0.053	0.97	1.03	0.030	0.006	18.73	9.28	2.22	0.13	-	-	545	270	52	-	149	244	256	250	-100
3A03	9					0.046	0.77	1.27	0.030	0.003	18.35	9.17	2.09	0.13			535	255	58		149	256	250	247	-100
3A04	4					0.046	0.74	1.16	0.032	0.003	18.46	9.15	2.10	0.12			525	245	54		160	262	249	235	-100
1K33	4					0.055	0.73	1.10	0.030	0.004	18.28	9.19	2.10	0.13			545	230	62		156	261	274	260	-100
1K32	5					0.050	0.68	1.12	0.030	0.004	18.21	9.24	2.12	0.15	-	-	540	240	60		154	260	244	247	-100



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: 黄海琴 Huang haiqin 2024.10.04      Engineer Q.A's Name, Signature & Date: 李勇 Li yong 2024.10.04      Laboratory Incharge's name, Signature & Date: 林君 Lin jun 2024.10.04