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-C69510

PO No.:	1384	PO DATE :	2024.11.15	Tensile Test bar	Dimension (mm)	Section (mm^2)	Length (mm)	Testing Temperature (℃)	Brinell Hardness	Load (Kg.f)	Location	Impact Test	Impact block size (mm)	Impact direction											
Material Specification	EN10213:2007+Al:2016 1.4408	Certificate type	DIN 50049 – EN 10204 – 3.1	Actual	12.50	122.718463	50	room temp	Actual	3000	surface	-100℃	10*10*50	transverse											
COMPONENT				Chemical Composition														Mechanical Properties					Impact Test		
DWG/PATERN Nº	0540025CQ			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																								
Heat Treatment	Temp(℃)	Time (h)	Cooling Method																						
Actual	Solution 1080	2	Water cooling	Ingot casting	%												(Mpa)	(Mpa)	(%)	(%)	(HBW)	No. 1	No. 2	No. 3	T
Heat No.	Qty.	Size:	Class: Min		-	-	-	-	-	18.0	9.00	2.00	-	-	-	-	400	210	30	-	-	60	60	60	(℃)
			Max		0.07	1.50	1.50	0.040	0.030	21.0	12.0	2.50	0.50	-	-	-	640	-	-	-	237	-	-	-	-
4J20	30				0.042	0.65	1.06	0.028	0.002	18.54	9.16	2.10	0.13	-	-	-	535	240	56	-	150	248	231	245	-100
4B05	20				0.042	0.65	1.06	0.028	0.002	18.54	9.16	2.10	0.13	-	-	-	535	240	56	-	150	248	231	245	-100
4K20	20				0.048	0.83	1.03	0.033	0.003	18.37	9.16	2.06	0.17	-	-	-	545	245	53	-	154	251	248	241	-100
3I05	8				0.051	0.72	1.24	0.031	0.003	18.4	9.25	2.10	0.18				560	245	62		160	255	251	260	-100
3J09	8				0.05	0.74	1.08	0.031	0.002	18.56	9.24	2.11	0.11	-	-	-	550	255	52		159	260	269	274	-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: Huang haijin 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