



ZHEJIANG SHIDAI CASTING CO., LTD.

MILL TEST CERTIFICATE REPORT

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

DATE:2025.03.15

CLIENT :JC fabrica de valvulas,s.a.

ISO 9001 / approved

CE 2014/68/EU / approved

MAT. CERT. N°:

SD25031507-C70973-C4

PO No.:	STOCK		PO DATE :	2024.12.13		Tensile	Dimension	Section	Length	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		Test bar	(mm)	(mm ²)	(mm)																		
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 N°	0516100C					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																							Ingot castin g	%		
Heat Treatment	Temp(°C)	Time (h)	Cooling Method		Min Max	0.07	1.50	1.50	0.040	0.030	21.0	12.0	2.50	0.50	-	-	-	400	210	30	-	-	60		60	60	-
Actual	Solution 1080		2																					Water cooling			
Heat No.	Qty.	Size:	Class:	Min Max	0.048	0.74	1.26	0.030	0.001	18.30	9.22	2.05	0.14	520	220	54	166-166-166	126	141	135	-50						
4L40	50	DN-100	PN-16		0.048	0.74	1.26	0.030	0.001	18.30	9.22	2.05	0.14	520	220	54	166-166-166	126	141	135	-50						
4L41	45	DN-100	PN-16		0.050	0.63	1.08	0.033	0.002	18.54	9.14	2.10	0.22	535	240	52	161-161-161	149	122	129	-50						
4L42	42	DN-100	PN-16		0.045	0.75	1.24	0.030	0.002	18.39	9.27	2.09	0.13	530	255	58	152-152-152	150	122	141	-50						
4K03	41	DN-100	PN-16		0.051	0.71	1.16	0.030	0.002	18.64	9.25	2.14	0.12	550	240	58	158-158-158	126	148	142	-50						
4J13	22	DN-100	PN-16		0.051	0.93	1.03	0.033	0.002	18.35	9.21	2.08	0.12	535	235	50	152-152-152	148	135	137	-50						
4H11	10	DN-100	PN-16		0.053	0.71	1.23	0.027	0.004	18.58	9.54	2.20	0.13	540	230	54	160-160-160	155	151	129	-50						
4G22	22	DN-100	PN-16		0.044	0.67	1.26	0.028	0.003	18.43	9.18	2.09	0.16	530	250	57	154-154-154	118	130	129	-50						
4F18	10	DN-100	PN-16		0.049	0.65	1.08	0.035	0.005	18.17	9.27	2.1	0.17	545	250	50	154-154-154	119	148	135	-50						
2J19	19	DN-100	PN-16		0.045	0.93	1.18	0.029	0.004	18.40	9.22	2.11	0.10	530	250	53	148-148-148	130	148	142	-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 2025.03.15 Engineer Q.A's Name, Signature & Date: Li yong 2025.03.15 Laboratory Incharge's name, Signature & Date: Lin jun 2025.03.15