



ZHEJIANG SHIDAI CASTING CO., LTD.

MILL TEST CERTIFICATE REPORT

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

DATE:2025.12.30
SD25123007-C88301

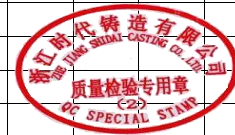
CLIENT :JC fabrica de valvulas,s.a.

ISO 9001 / approved

CE 2014/68/EU / approved

MAT. CERT. N°:

PO No.:	4825	PO DATE :	2025.11.05	Tensile Test bar	Dimension	Section	Length	Testing Temperature (°C)	Brinell Hardness	Load (Kg.f)	Location	Impact Test	Impact block size (mm)	Impact direction											
Material Specification	ASTM A351A351M-24 CF8M	Certificate type	DIN 50049 – EN 10204 – 3.1	Actual	12.50	122.718463	50	room temp	Actual	3000	surface	-50	10*10*50	transverse											
COMPONENT	Chemical Composition										Mechanical Properties					Impact Test									
DWG/PATERN N°	0515200MC			sample	C	Si	Mn	P	S	Cr	Ni	Mo	-	-	-	-	UTS (Rm)	YS (Rp0.2)	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	-	-	-	-	-	18.0	9.0	2.0	-	-	-	-	485	205	30	-	60	60	60	(°C)
Heat No.	Qty.	Size:	Class:	Max	0.08	1.50	1.50	0.040	0.040	21.0	12.0	3.0	-	-	-	-	-	-	-	-	237	-	-	-	
5K11	20				0.047	0.65	1.08	0.031	0.003	18.34	9.18	2.09					561	242	50		163/156/167	152	150	147	-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 2025.12.30 Engineer Q.A's Name, Signature & Date: Li Yong 2025.12.30 Laboratory Incharge's name , Signature & Date: Lin Jun 2025.12.30