



# 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-C88303

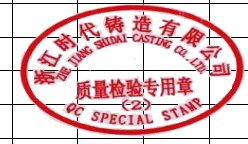
CLIENT :JC fabrica de valvulas,s.a.

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		(mm)	12.50	(mm <sup>2</sup> )	122.718463	(mm)	50	(°C)	room temp	Actual		3000	surface		-50		10*10*50		transverse				
COMPONENT	Chemical Composition											Mechanical Properties					Impact Test										
DWG/PATERN N°	0515200ML			sample	C	Si	Mn	P	S	Cr	Ni	Mo	-	-	-	-	UTS (Rm)	YS (Rp0.2)	EL (A)	ROA (Z)	Hardness	Energy value (J)					
NAME:	CAP			Heat Treatment	Temp(°C)	Time (h)	Cooling Method	%											(Mpa)	(Mpa)	(%)	(%)	(HBW)	No. 1	No. 2	No. 3	T
Actual	Solution 1080	2	Water cooling	Ingot casting	-	-	-	-	-	18.0	9.0	2.0	-	-	-	-	485	205	30	-	237	60	60	60	(°C)		
Heat No.	Qty.	Size:	Class:	Min	0.08	1.50	1.50	0.040	0.040	21.0	12.0	3.0	-	-	-	-	-	-	-	-	237	-	-	-	-		
5K11	20			Max	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