



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

DATE:2022.07.16

CLIENT :JC fabrica de valvulas,s.a.

ISO 9001 / approved

CE 2014/68/EU / approved

MAT. CERT. N°:

SD22091207-C24417

PO No.:	PO DATE :	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													
EN10213:2007+AI:2016 1.4408	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°	0540015L			sample	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	-	-	-	UTS (Rm)	YS (Rp1.0)	EL (A)	ROA (Z)	Hardness	Energy value (J)			
NAME:	CAP																					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	0.07	1.50	1.50	0.040	0.030	18.0	9.00	2.00	-	-	-	-	400	210	30	-	-	60	60	60
Heat No.	Qty.	Size:	Class:	Max	0.053	0.74	1.03	0.029	0.003	18.57	9.18	2.10	0.12	-	-	-	535	240	57	-	154	131	150	157	-50
2F02	24				0.048	0.67	1.11	0.029	0.003	18.50	9.25	2.10	0.10				525	240	55		150	152	135	160	-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 haixin 2022.09.12 Engineer Q.A's Name, Signature & Date: LI yong 2022.09.12 Laboratory Incharge's name , Signature & Date: Lin jun 2022.09.12