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

DATE:2024.12.15

CLIENT :JC fabrica de valvulas,s.a. ISO 9001 / approved CE 2014/68/EU / approved MAT. CERT. Nº: SD24121507-C66756

PO No.:	1094	PO DATE：	2024.10.18	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+AI:2016 1.4408	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 Nº	0540020C																									
NAME:	BODY				sample	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	-	-	-	UTS (Rm)	YS (Rp1.0)	EL (A)	ROA (Z)	Hardness	Energy value (J)			
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	-	-	-	-
4H17	34					0.055	0.78	1.01	0.031	0.002	18.39	9.27	2.06	0.14				545	245	56	-	162	126	147	155	-50
4J20	50					0.042	0.65	1.06	0.028	0.002	18.54	9.16	2.10	0.13	-	-	-	535	240	56	-	150	151	144	140	-50
4G06	59					0.048	0.74	1.19	0.029	0.002	18.42	9.16	2.10	0.13	-	-	-	550	245	53	-	153	132	159	140	-50

浙江时代铸造有限公司 ZHE JIANG SHIDAI CASTING CO., LTD. 质量检验专用章 (2) QC SPECIAL STAMP

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 2024.12.15 Engineer Q.A's Name, Signature & Date: Li yong 2024.12.15 Laboratory Incharge's name , Signature & Date: Lin jun 2024.12.15