



wenzhou Shengzhong Petrochemical Equipment Co.,Ltd

MILL TEST CERTIFICATE REPORT

NO.2888,Ruifeng Road(Taoshan Area),Taoshan Town,Ruian City Zhejiang Province,P.R.China

DATE:2023.5.5

MAT. CERT. N°: SZ2023050511

CLIENT :JC fabrica de valvulas,s.a.

ISO 9001 / approved

CE 2014/68/EU / approved

PO No.:	152363	PO DATE :	2022.12.30	Tensile Test bar	Dimension (mm)	Section (mm ²)	Length (mm)	Testing Temperature (°C)	Brinell Hardness	Load (Kg.f)	Location	Impact Test	Impact block size (mm)	Impact direction										
Material Specification	EN 10213-4:2007 (DIN 17.445) Grade : 1.4408	Certificate type	DIN 50049 – EN 10204 – 3.1	Actual	10	122.7185	50	room temp	Actual	3000	surface	-50°C	10*10*50	transverse										
COMPONENT	3400402002			Chemical Composition										Mechanical Properties				Impact Test						
DWG/PATERN N°	0340040L			sample	C	Mn	S	P	Si	Cr	Ni	Mo	Cu	YS	UTS	EL	ROA	Hardness	Energy value (J) min 60J					
NAME:COVER	DN-40 PN-40																		Temp(°C)	Time (h)	Cooling Method	YS	UTS	EL
Heat Treatment	1080°C	2.0-2.5h	water cooling	Ingot casting	%										(Mpa)	(Mpa)	(%)	(%)	(HBW)	AVG.	No. 1	No. 2	No. 3	T
Solution annealing	1080°C	2.0-2.5h	water cooling		Heat No.	Qty.	Min	Max	0.07	1.50	0.030	0.040	1.50	20.0	12.00	2.5	0.50	210	440	30				
2L057	3				0.040	1.273	0.005	0.034	1.244	18.78	9.338	2.005	0.107	291	546	48		164-164-163	164	187	197	198	-50	
2L059	4				0.041	1.272	0.006	0.036	1.263	18.79	9.346	2.024	0.155	280	556	46		169-169-168	168	186	189	196	-50	
2L061	5				0.045	1.228	0.004	0.034	1.238	18.54	9.290	2.057	0.169	275	532	45.5		165-164-165	165	182	195	198	-50	
2L063	6				0.052	1.241	0.006	0.039	1.269	18.77	9.102	2.054	0.142	274	557	48		163-163-164	163	181	192	194	-50	
2L065	1				0.062	1.070	0.006	0.037	1.225	18.72	9.168	2.108	0.177	282	549	49		162-161-162	162	184	197	200	-50	
2L067	6				0.053	1.191	0.007	0.038	1.209	18.73	9.184	2.078	0.176	280	556	50		168-167-167	167	188	196	204	-50	
3B147	14				0.055	1.329	0.005	0.035	1.336	18.66	9.311	2.093	0.124	274	546	51		171-172-171	171	180	186	195	-50	
3B149	15				0.062	1.233	0.004	0.039	1.398	18.64	9.194	2.054	0.119	285	535	50		172-172-171	172	175	182	198	-50	
3B151	21				0.068	1.343	0.004	0.038	1.311	18.71	9.226	2.096	0.164	280	557	48.5		171-170-70	170	184	194	201	-50	
3B153	18				0.064	1.333	0.006	0.036	1.382	18.66	9.210	2.123	0.148	279	560	49		174-174-173	174	176	188	200	-50	
3B155	17				0.062	1.338	0.006	0.035	1.210	18.36	9.401	2.096	0.139	282	552	52		170-172-171	171	177	185	195	-50	
3B157	12				0.047	1.283	0.005	0.038	1.254	18.82	9.291	2.072	0.104	284	572	46.5		171-172-172	172	171	190	204	-50	
3B159	8				0.046	1.287	0.006	0.035	1.355	18.81	9.258	2.071	0.109	281	571	49		171-170-170	170	170	186	189	-50	
3B161	12				0.063	1.285	0.005	0.038	1.367	18.94	9.232	2.127	0.141	280	560	49		169-168-168	168	179	185	202	-50	

1.-Visual inspection:accepted according to PSO4/I1 Rev 9.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: 黄振科 2023.5.5 Engineer Q.A.'s Name, Signature & Date: 黄晓清 2023.5.5 Laboratory Incharge's name , Signature & Date: 胡兴进 2023.5.5