



# 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:2023.12.27

CLIENT :JC fabrica de valvulas,s.a.

ISO 9001 / approved

CE 2014/68/EU / approved

MAT. CERT. N°: SZ2023122730-C

PO No.:	168500-B		PO DATE ,	2023.11.16		Tensile Test bar	Dimension (mm)	Section (mm <sup>2</sup> )	Length (mm)	Testing Temperature (°C)	Brinell Hardness	Load (Kg.f)	Location	Impact Test	Impact block size (mm)	Impact direction								
Material Specification	ASTM A216/A216M WCB-ed 21		Certificate type	DIN 50049 – EN 10204 – 3.1		Actual	12.5	122.7185	50	room temp	Actual	3000	surface	-29°C	10*10*50	transverse								
COMPONENT	5301501001		Chemical Composition										Mechanical Properties				Impact Test							
DWG/PATERN N°	0530150MC		sample	C	Mn	S	P	Si	Cr	Ni	Mo	Cu	V	YS (Mpa)	UTS (Mpa)	EL (%)	ROA (%)	Hardness (HBW)	AVG.	Energy value (J) min 27J				
NAME:BODY Size:6" Class :300#	Temp(°C)	Time (h)																		Cooling Method	No. 1	No. 2	No. 3	T (°C)
Heat Treatment	Temp(°C)	Time (h)	Cooling Method	Ingot casting	%										250	485	22	35	225					
Normalizing	900°C	2.5-3h	air cooling		Min	0.25	1.00	0.035	0.035	0.60	0.50	0.50	0.20	0.30										0.03
Heat No.	Qty.		Max		0.196	0.938	0.006	0.019	0.450	0.046	0.009	0.001	0.022	0.001	356	538	28	62	175-175-174	175	45	46	52	-29
2D036	2				0.207	0.977	0.008	0.016	0.481	0.032	0.005	0.001	0.009	0.001	355	552	27	63	171-172-173	172	41	41	48	-29
3J092	6				0.196	0.805	0.009	0.015	0.478	0.079	0.013	0.002	0.025	0.001	361	557	30	54	170-171-170	170	37	40	46	-29
3H046	6				0.197	0.892	0.010	0.013	0.482	0.054	0.010	0.001	0.014	0.001	367	532	31	60	170-170-171	170	41	43	48	-29
3H048	10																							

温州盛中石化装备有限公司  
 质量部

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: 董振科 2023.12.27      Engineer Q.A's Name, Signature & Date: 董晓清 2023.12.27      Laboratory Incharge's name, Signature & Date: 胡兴文 2023.12.27