



# 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:2025.1.5

MAT. CERT. N°: S22025010501

CLIENT :JC fabrica de valvulas,s.a.

ISO 9001 / approved

CE 2014/68/EU / approved

PO No.:	1444-3	PO DATE :	2024.11.18	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	5151501001			Chemical Composition								Mechanical Properties				Impact Test								
DWG/PATERN N°	0515150MC Rev.1			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 :150#	Heat Treatment																		Temp(°C)	Time (h)	Cooling Method	Ingot casting
Normalizing	900°C	2.5-3h	air cooling	%																				
Heat No.	Qty.			Min	0.25	1.00	0.035	0.035	0.60	0.50	0.50	0.20	0.30	0.03	250	485	22	35		225				
4H048	1			Max	0.195	0.894	0.006	0.017	0.489	0.044	0.013	0.001	0.029	0.001	367	541	28	65	174-174-175	174	42	42	54	-29
4H050	1				0.201	0.694	0.004	0.015	0.449	0.030	0.013	0.003	0.012	0.002	374	542	31	58	169-170-169	169	38	45	49	-29
4H052	1				0.209	0.841	0.007	0.015	0.411	0.025	0.008	0.001	0.010	0.001	375	548	30	59	172-172-171	172	43	43	46	-29
4H054	2				0.209	0.949	0.008	0.017	0.435	0.035	0.012	0.001	0.015	0.001	366	552	30.5	64	171-171-170	171	40	44	48	-29
4H058	3				0.218	0.773	0.008	0.018	0.440	0.027	0.009	0.001	0.014	0.001	362	535	28	61	170-171-170	170	38	47	51	-29



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: 黄据科 2025.1.5      Engineer Q.A's Name, Signature & Date: 黄晓清 2025.1.5      Laboratory Incharge's name , Signature & Date: 胡兴廷 2025.1.5

HUANG JU KE

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