

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:2025.11.23

MAT. CERT. N°: SZ2025112308

CLIENT :JC fabrica de valvulas,s.a.

ISO 9001 / approved

CE 2014/68/EU / approved

PO No.:	4821-2	PO DATE :	2025.11.5	Tensile Test bar	Dimension	Section	Length	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	(mm)	(mm ²)	(mm)	room temp	Actual	3000	surface	-29°C	10*10*50	transverse										
COMPONENT	5150801002				Chemical Composition								Mechanical Properties					Impact Test						
DWG/PATERN N°	0515080LN Rev.2				sample	C	Mn	S	P	Si	Cr	Ni	Mo	Cu	V	YS	UTS	EL	ROA	Hardness	Energy value (J) min 27J			
NAME:COVER	Size:3"	Class :150#	Heat Treatment	Temp(°C)																	Time (h)	Cooling Method	No. 1	No. 2
Normalizing	900°C	2.5-3h	air cooling	Ingot casting	%										(Mpa)	(Mpa)	(%)	(%)	(HBW)	AVG.				
Heat No.	Qty.	Min	Max		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			(°C)	
4A097	1				0.182	0.873	0.004	0.013	0.547	0.036	0.011	0.001	0.020	0.001	350	551	31	61	170-169-171	170	40	45	48	-29
5C079	4				0.201	0.899	0.005	0.013	0.434	0.027	0.009	0.004	0.014	0.001	374	546	32	56	172-172-171	172	42	43	46	-29
5C081	4				0.217	0.920	0.009	0.015	0.465	0.024	0.006	0.004	0.036	0.001	362	552	30	61	173-173-172	173	44	45	49	-29
5C083	10				0.201	0.847	0.009	0.015	0.468	0.024	0.008	0.003	0.012	0.001	365	564	29	58	172-171-172	172	38	46	54	-29
5C085	7				0.191	0.873	0.008	0.016	0.411	0.031	0.013	0.003	0.038	0.001	355	534	28	61	170-170-171	170	41	42	52	-29
5D051	4				0.212	0.831	0.008	0.021	0.450	0.041	0.012	0.003	0.011	0.001	366	560	29.5	58	172-172-171	172	41	41	51	-29



1.-Visual inspection:accepted according to PSO4/11 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 2025.11.23* Engineer Q.A's Name, Signature & Date: *董晓清 2025.11.23* Laboratory Incharge's name , Signature & Date: *胡斌 2025.11.23*