



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°: SZ2025112307

CLIENT :JC fabrica de valvulas,s.a.

ISO 9001 / approved

CE 2014/68/EU / approved

PO No.:	4905-7	PO DATE :	2025.11.14	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	5150801001				Chemical Composition								Mechanical Properties					Impact Test							
DWG/PATERN N°	0515080CN Rev.3				sample	C	Mn	S	P	Si	Cr	Ni	Mo	Cu	V	YS	UTS	EL	ROA	Hardness	Energy value (J) min 27J				
NAME:BODY Size:3" Class :150#	Class :150#																				Ingot casting	%	No. 1	No. 2	No. 3
Heat Treatment	Temp(°C)	Time (h)	Cooling Method	Min	Max	YS (Mpa)	UTS (Mpa)	EL (%)	ROA (%)	Hardness (HBW)	AVG.														
Normalizing	900°C	2.5-3h	air cooling																						
Heat No.	Qty.			Min	Max	250	485	22	35		225														
5D052	5					0.185	0.785	0.010	0.014	0.448	0.016	0.005	0.004	0.056	0.002	372	563	26	58.5	174-174-175	174	42	47	49	-29
5D054	4					0.218	0.807	0.010	0.018	0.434	0.021	0.007	0.004	0.012	0.001	370	564	30	59	171-170-170	170	41	45	50	-29
5D056	7					0.192	0.892	0.010	0.022	0.441	0.030	0.010	0.003	0.013	0.001	382	571	29	62	174-174-175	174	40	46	48	-29
5D058	15					0.204	0.833	0.011	0.016	0.476	0.042	0.019	0.005	0.013	0.001	371	569	31	58	172-171-173	172	44	45	52	-29
5D060	14					0.210	0.865	0.008	0.021	0.510	0.050	0.012	0.004	0.010	0.001	367	548	31	61	172-172-171	172	38	43	46	-29
5D064	2					0.191	0.784	0.009	0.017	0.432	0.018	0.004	0.004	0.065	0.002	375	575	28	58	175-174-176	175	45	47	49	-29
5F152	12					0.206	0.970	0.008	0.017	0.465	0.027	0.006	0.008	0.118	0.003	377	561	28	52	171-170-170	170	39	42	45	-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: *朱晓清 2025.11.23* Laboratory Incharge's name, Signature & Date: *胡斌 2025.11.23*