



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°: SZ2025010508-B

CLIENT :JC fabrica de valvulas,s.a.

ISO 9001 / approved

CE 2014/68/EU / approved

PO No.:	1444-12-2	PO DATE ,	2024.11.18	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	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	5301501002			Chemical Composition										Mechanical Properties					Impact Test					
DWG/PATERN N°	0530150ML Rev.2			sample	C	Mn	S	P	Si	Cr	Ni	Mo	Cu	V	YS	UTS	EL	ROA	Hardness	Energy value (J) min 27J				
NAME:BODY	Size:6"	Class :300#	Temp(°C)																	Time (h)	Cooling Method	YS	UTS	EL
Heat Treatment	900°C	2.5-3h	air cooling	Ingot casting	%										(Mpa)	(Mpa)	(%)	(%)	(HBW)	AVG.	No. 1	No. 2	No. 3	T
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	250	485	22	35		225			
Heat No.	Qty.			Max	0.192	0.840	0.006	0.015	0.448	0.034	0.008	0.003	0.010	0.001	356	549	29	60	170-171-170	170	44	44	47	-29
3M013	1				0.192	0.840	0.006	0.015	0.448	0.034	0.008	0.003	0.010	0.001	356	549	29	60	170-171-170	170	44	44	47	-29
3M015	2				0.197	0.872	0.007	0.014	0.502	0.046	0.009	0.008	0.012	0.001	362	560	32	55	172-172-173	172	42	45	46	-29
3M017	1				0.202	0.773	0.006	0.014	0.541	0.044	0.012	0.006	0.013	0.001	364	558	29	64	172-173-173	173	38	43	45	-29
3M019	1				0.196	0.864	0.006	0.016	0.437	0.037	0.010	0.003	0.012	0.001	377	575	31	61	171-170-169	170	39	42	46	-29
3M021	2				0.207	0.890	0.006	0.016	0.497	0.059	0.016	0.007	0.019	0.001	356	543	30	60	171-171-172	171	43	44	50	-29
3J093	6				0.186	0.899	0.008	0.018	0.498	0.028	0.008	0.002	0.011	0.001	365	558	32	60	170-171-170	170	40	42	48	-29
3J095	6				0.202	0.849	0.008	0.017	0.447	0.113	0.012	0.002	0.014	0.001	374	571	30	57	172-172-171	172	38	43	52	-29
0E273	4				0.215	0.895	0.009	0.015	0.520	0.037	0.007	0.003	0.013	0.001	381	558	30	61	181-181-181	181	39	42	46	-29

温州盛中石化装备有限公司
质量部

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 2025.1.5 Engineer Q.A's Name, Signature & Date: 董晓清 2025.1.5 Laboratory Incharge's name, Signature & Date: 胡兴 2025.1.5