



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

CLIENT :JC fabrica de valvulas,s.a.

ISO 9001 / approved

CE 2014/68/EU / approved

MAT. CERT. N°: SZ2025010514

PO No.:	1146-10	PO DATE :	2024.10.21	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	EN 10213:2016 (DIN 17.245) Grade : GP240GH (1.0619)	Certificate type	DIN 50049 – EN 10204 – 3.1	Actual	10	122.7185	50	room temp	Actual	3000	surface	-29°C	10*10*50	transverse														
COMPONENT	5161501002V1			Chemical Composition										Mechanical Properties					Impact Test									
DWG/PATERN N°	0516150ML Rev.4			sample	C	Mn	S	P	Si	Cr	Ni	Mo	Cu	V	YS	UTS	EL	ROA	Hardness	Energy value (J) min 27J								
NAME:COVER	DN-150 PN-16																			Temp(°C)	Time (h)	Cooling Method	No. 1	No. 2	No. 3	T		
Heat Treatment	900°C	2.5-3h	air cooling	Ingot casting	%										(Mpa)	(Mpa)	(%)	(%)	(HBW)	AVG.								
Normalizing					0.18	0.50																						(°C)
Heat No.	Qty.		Min	Max	0.23	1.20	0.020	0.030	0.60	0.30	0.40	0.12	0.30	0.03	240	420	22											
4K071	1				0.213	0.898	0.007	0.016	0.463	0.068	0.026	0.008	0.014	0.001	355	547	29	62	168-168-169	168	41	48	51					-29
4K149	6				0.204	0.876	0.010	0.013	0.486	0.027	0.011	0.002	0.010	0.001	356	546	28	59	174-175-174	174	39	45	51					-29
4K151	1				0.192	0.837	0.010	0.012	0.433	0.023	0.009	0.002	0.009	0.001	365	560	29	58	172-172-171	172	39	41	45					-29
4K153	3				0.208	0.847	0.007	0.016	0.434	0.029	0.010	0.002	0.011	0.001	368	565	32	57	173-172-171	172	42	43	47					-29
4K155	1				0.204	0.801	0.015	0.018	0.480	0.025	0.011	0.002	0.010	0.001	374	562	30	65	171-170-170	170	44	44	48					-29
4L039	1				0.201	0.896	0.008	0.017	0.474	0.044	0.001	0.002	0.002	0.001	362	535	30	62	172-172-171	172	42	44	52					-29
4L041	4				0.196	0.763	0.009	0.020	0.469	0.121	0.021	0.007	0.049	0.003	381	581	29.5	48	168-168-169	168	42	45	55					-29
4L043	7				0.200	0.843	0.010	0.019	0.490	0.093	0.016	0.005	0.083	0.003	386	559	27	49	171-170-171	171	45	50	54					-29
4L045	8				0.202	0.892	0.006	0.014	0.470	0.024	0.010	0.001	0.009	0.001	370	538	31	62	169-167-167	168	41	45	48					-29
4L047	8				0.218	0.917	0.008	0.015	0.438	0.036	0.014	0.002	0.013	0.001	359	548	28	61	170-169-169	169	37	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/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

HUANG XIAO QING

HU XING TING