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:2024.12.15

CLIENT :JC fabrica de valvulas,s.a. ISO 9001 / approved CE 2014/68/EU / approved MAT. CERT. Nº: SZ2024121506

PO No.:	1146-10	PO DATE :	2024.10.21	Tensile Test bar	Dimension (mm)	Section (mm^2)	Length (mm)	Testing Temperature (℃)	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℃	10*10*50	transverse

COMPONENT	5161501002V1		
DWG/PATERN N°	0516150ML Rev.4		
NAME:COVER	DN-150 PN-16		
Heat Treatment	Temp(℃)	Time (h)	Cooling Method
Normalizing	900℃	2.5-3h	air cooling

Heat No.	Qty.				sample	C	Mn	S	P	Si	Cr	Ni	Mo	Cu	V			YS	UTS	EL	ROA	Hardness		Energy value (J) min 27J			
					Ingot casting	%												(Mpa)	(Mpa)	(%)	(%)	(HBW)	AVG.	No. 1	No. 2	No. 3	T
				Min		0.18	0.50											240	420	22							(℃)
				Max		0.23	1.20	0.020	0.030	0.60	0.30	0.40	0.12	0.30	0.03				600								
4K049	1					0.206	0.878	0.008	0.015	0.492	0.028	0.010	0.001	0.010	0.001			367	562	28	64	171-170-169	170	44	47	54	-29
4K071	7					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
4K073	8					0.210	0.896	0.008	0.017	0.457	0.037	0.011	0.002	0.012	0.001			374	560	27	60	169-168-167	168	38	46	48	-29
4K075	8					0.208	0.877	0.009	0.018	0.467	0.063	0.021	0.007	0.015	0.002			380	571	28	61	174-174-173	174	35	42	46	-29
4K151	7					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	4					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	7					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
4L049	4					0.198	0.997	0.009	0.016	0.486	0.035	0.013	0.003	0.012	0.001			377	572	29.5	64	172-172-171	172	46	47	48	-29
4L051	4					0.207	0.910	0.006	0.014	0.453	0.040	0.016	0.004	0.024	0.001			364	544	32	62	171-171-170	171	42	45	52	-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.

温州盛中石化装备有限公司 质 量 部

Authorised Inspector's Name, Signature & Date: 黄振科 2024.12.15 Engineer Q.A's Name, Signature & Date: 黄晓清 2024.12.15 Laboratory Incharge's name , Signature & Date: 胡兴廷 2024.12.15

HUANG JU KE HUANG XIAO QING HU XINGTING