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: SZ2024121504

PO No.:	1146-9	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	5161501001V1		
DWG/PATERN N º	0516150MC Rev.6		
NAME:BODY	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								
3H094	1					0.213	1.007	0.014	0.020	0.533	0.039	0.007	0.003	0.010	0.001			364	558	28	59	171-170-169	170	40	44	48	-29
4K150	7					0.220	0.882	0.010	0.012	0.411	0.032	0.011	0.001	0.015	0.001			371	560	32	58	168-169-167	168	40	44	48	-29
4K152	1					0.219	0.857	0.010	0.016	0.417	0.023	0.009	0.002	0.012	0.001			356	534	30	61	173-172-171	172	44	46	49	-29
4K154	5					0.192	0.926	0.009	0.017	0.436	0.033	0.010	0.002	0.010	0.001			365	545	31	52	171-171-170	171	42	45	52	-29
4K156	6					0.204	0.876	0.010	0.013	0.486	0.027	0.011	0.002	0.010	0.001			370	556	28	57	166-166-167	166	37	42	51	-29
4K160	7					0.228	0.923	0.008	0.014	0.450	0.027	0.009	0.002	0.010	0.001			361	535	29	54	167-168-169	168	46	47	48	-29
4K164	2					0.222	0.957	0.009	0.017	0.451	0.029	0.008	0.003	0.010	0.001			364	550	31	59	174-174-173	174	45	48	49	-29
4L068	4					0.194	0.765	0.015	0.018	0.392	0.025	0.009	0.003	0.011	0.001			356	542	32	62	172-172-171	172	42	46	53	-29
4L072	2					0.216	1.050	0.010	0.016	0.480	0.033	0.011	0.003	0.013	0.001			372	547	30	60	170-171-171	171	40	45	52	-29
4L074	3					0.190	0.975	0.006	0.015	0.515	0.032	0.009	0.003	0.011	0.003			356	540	31	61	170-170-169	170	38	43	51	-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 XING TING