



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:2023.8.8

CLIENT :JC fabrica de valvulas,s.a.

ISO 9001 / approved

CE 2014/68/EU / approved

MAT. CERT. N°: SZ2023080808

PO No.:	152383	PO DATE :	2022.12.30	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				sample	C	Mn	S	P	Si	Cr	Ni	Mo	Cu	V	YS (Mpa)	UTS (Mpa)	EL (%)	ROA (%)	Hardness (HBW)	AVG.	Energy value (J) min 27J			
NAME:COVER	DN-150 PN-16																					No. 1	No. 2	No. 3	T
Heat Treatment	Temp(°C)	Time (h)	Cooling Method	Ingot casting	%										240	420	22								
Normalizing	900°C	2.5-3h	air cooling		0.18	0.50																			
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			600									
3D163	4			0.196	0.897	0.005	0.019	0.477	0.042	0.001	0.001	0.017	0.001			366	559	30	64	170-170-168	169	42	44	49	-29
3D165	4			0.205	1.052	0.010	0.015	0.432	0.035	0.006	0.002	0.014	0.001			365	561	28.5	62	171-172-173	172	41	43	53	-29
3D167	4			0.218	0.960	0.011	0.017	0.432	0.024	0.005	0.001	0.012	0.001			356	542	29	63	172-171-171	171	40	42	52	-29
3D169	5			0.186	0.842	0.013	0.015	0.390	0.040	0.009	0.001	0.012	0.001			365	557	31	65	170-171-170	170	42	44	51	-29
3D171	3			0.203	1.009	0.016	0.027	0.490	0.024	0.007	0.001	0.010	0.001			362	541	30	61	174-175-173	174	38	45	48	-29
3D173	1			0.205	0.986	0.019	0.028	0.451	0.024	0.009	0.003	0.011	0.001			374	571	32	60	175-174-175	175	39	46	49	-29
3D175	3			0.186	0.878	0.015	0.020	0.493	0.038	0.007	0.002	0.009	0.001			370	545	32	64	172-172-171	172	45	48	56	-29
3D177	3			0.196	1.022	0.011	0.014	0.471	0.029	0.010	0.002	0.014	0.001			359	556	30	62	171-170-170	170	42	45	52	-29
3D179	3			0.196	0.913	0.008	0.014	0.443	0.026	0.006	0.001	0.010	0.001			362	535	31	58	170-171-171	171	41	46	54	-29
3D181	4			0.203	0.932	0.009	0.015	0.483	0.044	0.015	0.003	0.010	0.001			365	561	32	59	174-174-175	174	40	43	51	-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:

黄据科 2023.8.8

Engineer Q.A's Name, Signature & Date:

黄晓清 2023.8.8

Laboratory Incharge's name , Signature & Date:

胡兴廷 2023.8.8

HUANG JU KE

HUANG XIAO QING

HU XING TING