

INSPECTION CERTIFICATE & MILL TEST REPORT - EN 10204 3.1

Customer : SALCO IMPORTACIONES, SA DE CV		ISO 9001:2008-ITV NORO REG.No-04 100 01391170	
PERIFERICO SUR NO. 870 COL. AGRICOLA		EXPIRY DATE : 14.09.2018	
ZAPOPAN, JALISCO 45236 MEXICO		AD 2000 MERKBLATT WO-072031423 WP 1022/14 Q	
TAX ID: SIM080604FY7		AS PER WZ/W9/10 EXPIRY DATE FEBRUARY 2017	
		PEI 97/23/EC QMS REG.NO.072021423 WZ 1022/14 Q	
		EXPIRY DATE: FEBRUARY 2017	
		PURCHASE ORDER NO.	
		DESCRIPTION	
		SALCO -FEB ORDER	
		STAINLESS STEEL FORGED FLANGES	
		INVOICE NUMBER / MTR NO.	
		DATE	
		MATERIAL SPECIFICATION	
		ASTM A182/A182M-15 / ASME SA182/SA182M-15	

CHEMICAL ANALYSIS

Sr.No.	Item Description	Dimension Spec	Heat No	Qty	%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Mo	%Ti	%N
11	F316/316L 8" SORF 150#	B16.5	101998	99.000	0.0260	1.710	0.440	0.0240	0.0360	16.620	10.040	2.030	0.0020	0.08000
12	F316/316L 2" THRF 150#	B16.5	101971	329.000	0.0220	1.620	0.490	0.0210	0.0350	16.520	10.060	2.040	0.0030	0.08000
13	F316/316L 2" SWRF 150# S40S	B16.5	101971	217.000	0.0220	1.620	0.490	0.0210	0.0350	16.520	10.060	2.040	0.0030	0.08000
14	F316/316L 2" BLRF 150#	B16.5	101971	103.000	0.0220	1.620	0.490	0.0210	0.0350	16.520	10.060	2.040	0.0030	0.08000
15	F316/316L 3/4" W/NRF 300# S80S	B16.5	101928	55.000	0.0200	1.550	0.360	0.0260	0.0340	16.750	10.060	2.040	0.0020	0.07500
16	F316/316L 2" W/NRF 150# S40S	B16.5	101914	110.000	0.0230	1.610	0.370	0.0220	0.0360	16.750	10.050	2.020	0.0020	0.07500

MECHANICAL PROPERTIES

Sr.No	Heat No.	Tensile Strength Rp (MPa)	Proof Stress Rp=0.2 % (MPa)	Proof Stress Rp=1.0% (MPa)	% Elongation LO=4D	% Reduction of Area	Hardness BHN	IMPACT TEST-CHARPY V-NOTCH AT +20 DEG. C (Joules)				
								1	2	3	AVG	
11	101998	574.730	297.910	360.480	60.40	70.42	155.0	160.0	172.0	168.0	167.0	
12	101971	559.270	277.390	325.450	60.20	70.03	156.0	175.0	188.0	182.0	182.0	
13	101971	559.270	277.390	325.450	60.20	70.03	156.0	175.0	188.0	182.0	182.0	
14	101971	559.270	277.390	325.450	60.20	70.03	156.0	175.0	188.0	182.0	182.0	
15	101928	601.740	307.100	373.430	55.80	70.42	158.0	154.0	160.0	162.0	159.0	
16	101914	547.860	277.390	319.860	59.80	70.87	153.0	199.0	202.0	210.0	204.0	

NACE CERT
MELTING PROCESS
HEAT TREATMENT
DIMENSIONS
SURFACE QUALITY
PMI
INTER GRANULAR CORROSION TEST
MICRO OBSERVATION
RADIOACTIVITY TEST
REMARKS

: MATERIAL CONFORMS TO NACE MR 0175 / ISO 15156 - 2015 & NACE MR 0103 - 2012
: INDUCTION / AOD (GRS) / CONCAST
: SOLUTION ANNEALED AT 1080°C AND WATER QUENCHED
: CONFORM WITH THE SPECIFICATION (100% INSPECTED)
: SATISFACTORY
: NO OBJECTION (100% TESTED WITH MOBILE SPECTRO)
: PASSED IGC TEST IN ACCORDANCE WITH ASTM A262 PRACTICE E
: NO CARBIDE PRECIPITATION OBSERVED ON GRAIN BOUNDARIES
: ALL THE ABOVE MATERIAL IS TESTED FOR RADIOACTIVITY AND FOUND WITH IN THE LIMIT OF BACKGROUND RADIATION
: NO WELD REPAIR WAS PERFORMED & ALL THE ITEMS ARE FREE OF WELD REPAIR
: FREE FROM MERCURY CONTAMINATION

WE CERTIFY THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND COMPLIES WITH THE ORDER/CONTRACT AND IS OF INDIAN ORIGIN



MANUFACTURER'S SYMBOL



WORKS INSPECTOR

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