



**Industrias Maass**  
de Mexico S.A. de C.V.

Carretera Presa La Amistad KM7  
Parcque Industrial Amistada  
Ciudad Acuna, Coahuila 26230, Mexico



**Material Test Certification**  
Certificate Conforms to EN 10204/3.1

Sold to: **WILHELM MAASS INTERNATIONAL, S. DE R.L DE C.V. WMI-040315-HP8**  
**NORTE 70-A 5643**  
**COL.BONDOJITO G.A. MADERO**  
**MEXICO, D.F. 07850**

Cust. P.O.#: **3278-13**  
Order#: **6747**

Item **13**

Qty	Part Number	Part Description	Heatcode	HeatNumber	Material				
23	6200050215	M-FIN F316-316L .50 300 RF THRD	C1162	E120853	F316/316L				
	C	Mn	P	S	Si	Ni	Cr	Mo	N
	0.021	1.590	0.035	0.0280	0.320	10.050	17.280	2.030	0.0840
	Tensile PSI	Yield .2% PSI	Elong	R of A %	BHN				
	86100	46100	53.00	76.00	155.				

Heat Treatment: Solution annealed at 1950F/1065C and water quenched

Specification: A/SA182/M-11a F316/316L; NACE MR-0175/ISO15156, MR-0103; B16.5-2009 as applicable.  
Material free from mercury contamination. No weld repair performed.  
Melt: SWEDENMade in Mexico

MISC: A262 Practice E - Passed

Item **14**

Qty	Part Number	Part Description	Heatcode	HeatNumber	Material				
77	6200050215	M-FIN F316-316L .50 300 RF THRD	C1178	E121128	F316/316L				
	C	Mn	P	S	Si	Ni	Cr	Mo	N
	0.018	1.590	0.034	0.0270	0.330	10.060	17.210	2.020	0.0800
	Tensile PSI	Yield .2% PSI	Elong	R of A %	BHN				
	84040	39580	59.60	71.07	141.				

Heat Treatment: Solution annealed at 1950F/1065C and water quenched

Specification: A/SA182/M-11a F316/316L; NACE MR-0175/ISO15156, MR-0103; B16.5-2009 as applicable.  
Material free from mercury contamination. No weld repair performed.  
Melt: SWEDENMade in Mexico

MTR: A262 Practice E - Passed

Item **15**

Qty	Part Number	Part Description	Heatcode	HeatNumber	Material				
50	62001001112	M-FIN F316-316L 1.00 150 RF WN STD	C1172	E121028	F316/316L				
	C	Mn	P	S	Si	Ni	Cr	Mo	N
	0.017	1.630	0.035	0.0250	0.340	10.110	17.080	2.040	0.0790
	Tensile PSI	Yield .2% PSI	Elong	R of A %	BHN				
	84260	44680	60.80	75.19	153.				

Heat Treatment: Solution annealed at 1950F/1065C and water quenched

Specification: A/SA182/M-11a F316/316L; NACE MR-0175/ISO15156, MR-0103; B16.5-2009 as applicable.  
Material free from mercury contamination. No weld repair performed.  
Melt: SWEDENMade in Mexico

*We certify that the material represented by this document has been tested and inspected and is in conformance with the purchase order, drawing(s) and specification requirements.*

Approved by

Harold Acord  
Quality Assurance Inspector

04/03/2013

HCM #424