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Ind. Maass de Mexico S.A. de C.V.  
Carretera Presa La Amistad Km. 7, Cd. Acuna, Coahuila Mexico 26220  
Phone 877-3-06-20 Fax 877-3-06-22  
MILL TEST REPORT

12/13/04

SOLD: WILHELM MAASS INTERNATIONAL, S DE RL DE CV  
TO:

CUST P.O.#: 0072-04

ORDER#:1214

ITEM	QTY	HEATCODE	DESCRIPTION	MATERIAL
1	50	E41048	.75 150 RF SO 304/304L	SA-182 F304/304L
2	50	D91424A	1 150 RF SO 304/304L	SA-182 F304/304L
3	150	E40954	3 150 RF SO 304/304L	SA-182 F304/304L
4	70	D91471A	4 150 RF SO 304/304L	SA-182 F304/304L
5	78	D91471A	6 150 RF SO 304/304L	SA-182 F304/304L
6	22	E40328	6 150 RF SO 304/304L	SA-182 F304/304L
7	20	E40393	2.5 150 RF SO 316/316L	SA-182 F316/316L
8	200	E40393	2 150 RF SO 316/316L	SA-182 F316/316L

ITM	C	Mn	P	S	Si	Ni	Cr	Mo	N	Cu	Ti
1	.018	1.730	.029	.028	.200	9.340	18.400	.000	.082	.000	.000
2	.014	1.760	.023	.024	.310	9.320	18.110	.000	.079	.000	.000
3	.015	1.700	.027	.028	.310	9.380	18.210	.320	.083	.000	.000
4	.013	1.740	.025	.023	.280	9.270	18.210	.430	.077	.000	.000
5	.013	1.740	.025	.023	.280	9.270	18.210	.430	.077	.000	.000
6	.015	1.710	.026	.024	.290	9.290	18.200	.340	.085	.000	.000
7	.025	1.620	.028	.026	.330	10.150	16.700	2.130	.089	.000	.000
8	.025	1.620	.028	.026	.330	10.150	16.700	2.130	.089	.000	.000

ITM	TENSILE	YIELD	ELONG.%	R of A %	BHN	CHARPY	Cb	OTHER
1	82700	41300	61.20	76.30	0	0	.000	
2	84000	41000	58.00	71.00	0	0	.000	
3	83000	41000	60.00	77.00	0	0	.000	
4	79000	35000	55.00	68.00	0	0	.000	
5	79000	35000	55.00	68.00	0	0	.000	
6	80300	42000	60.00	77.00	0	0	.000	
7	89200	50500	60.80	.00	0	0	.000	
8	89200	50500	60.80	.00	0	0	.000	

FORGING TEMP: MIN. 1925F(1050C)/HEAT TREATMENT:MIN. 1925F(1050C)/SOLUTION ANNEALED/WATER QUENCHED. MATERIAL MEETS NACE MRO-175 REQUIREMENTS. MATERIAL CONFORMS TO SPECIFICATIONS A/SA182M-98A  
NOTES:

THIS IS TO CERTIFY THAT THE MATERIAL FURNISHED ON THIS REPORT COMPLIES IN ALL RESPECTS WITH THE SPECIFICATIONS INDICATED FOR EACH ITEM.  
WE CERTIFY THAT ABOVE FIGURES ARE CORRECT IN ACCORDANCE WITH OUR RECORDS. REGISTERED TO ISO 9002 BY DET NORSKE VERITAS.  
Ind. Maass de Mexico S.A. de C.V. APPROVED BY

*[Signature]*  
ADMINISTRATIVE ASS'T.