



**CERTIFICADO DE CALIDAD
INSPECTION CERTIFICATE**
(DIN EN 10204:2004E - ISO 10474 3.1 B)

Tubos de Acero de Mexico, S.A.
Carr. Mty-Laredo Km 24.2
Apartado Postal 43
(65550) C. de Flores, N.L. Méx.
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Vendido a:	PLESA ANAHUAC Y CIA. S.A. DE C.V.	Pedido del Cliente No:	4107	Lista de Empaque:	10174	Fecha/Date:	7 de Febrero de 2008
Sold to:		Customers Order No:		Packing List:			
Dimensiones y tolerancias / Dimension and tolerances							
ASME B 16.9 - 2003 and ASME B 16.28 - 1994							
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ASME B 16.9 - 2003 and ASME B 16.28 - 1994							
Factura/Invoice:	Biselado / Bevelled ends						

ART. ITEM	COLADA HEAT CODE	CANTIDAD QUANTITY	DESCRIPCION / DESCRIPTION	PRUEBAS MECANICAS / MECHANICAL TEST			PRUEBA DE IMPACTO 0°C / IMPACT TEST 0°C				
				ESF. CEDENCIA YIELD STRENGTH (Mpa)	ESF. RUPTURA TENSILE STRENGTH (Mpa)	ELONG. %2"	1 Joules	2 Joules	3 Joules	PROMEDIO AVERAGE Joules	
1	T28586	6	CODO 16 X 45° CED-STD	363	500	32	119				
2	T37005	4	TEE RED. 10 X 8 CED-STD	330	483	38	92				
3	T37363	100	CODO 6 X 90° R.I. CED-STD.	351	496	39	94				
4	T37205	12	CODO 14 X 90° R.I. CED-STD	349	503	30	90				
5	T37363	30	CODO 6 X 45° CED-STD	351	496	39	94				
6	T36860	20	CODO 8 X 45° CED-STD	332	517	35	90				
7	T37204	18	CODO 12 X 90° R.I. CED-STD	375	508	34	90				
8	T37155	9	CODO 10 X 45° CED-STD	340	487	34	100				
9	T37091	3	CODO 10 X 45° CED-STD	392	514	36	101				
10	T37795	29	CODO 10 X 90° R.I. CED-STD	355	482	41	96				
11	T37796	11	CODO 10 X 90° R.I. CED-STD	329	487	41	96				

PROCESO PROCESS	COLADA HEAT CODE	COLADA/HEAT M.P./MOTHER PIPE	ANALISIS QUIMICO / CHEMICAL ANALYSIS												
			%C	%Mn	%P	%S	%Si	%Cr	%Cu	%Mo	%Ni	%V	%Nb		
HF	T28586	28586	0.300	0.160	0.650	0.011	0.002	0.290	0.070	0.082	0.032	0.030	0.000	0.000	0.000
HF	T37005	37005	0.320	0.180	0.710	0.009	0.002	0.270	0.070	0.058	0.023	0.030	0.000	0.000	0.000
HF	T37363	37363	0.310	0.170	0.700	0.008	0.001	0.270	0.070	0.052	0.039	0.030	0.000	0.000	0.000
HF	T37205	37205	0.310	0.170	0.660	0.010	0.002	0.280	0.050	0.054	0.050	0.030	0.000	0.000	0.000
HF	T37363	37363	0.310	0.170	0.700	0.008	0.001	0.270	0.070	0.052	0.039	0.030	0.000	0.000	0.000
HF	T36860	36860	0.310	0.170	0.700	0.012	0.002	0.300	0.070	0.051	0.022	0.030	0.000	0.000	0.000
HF	T37204	37204	0.310	0.170	0.670	0.007	0.003	0.270	0.050	0.074	0.049	0.040	0.000	0.000	0.000
HF	T37155	37155	0.300	0.170	0.680	0.011	0.002	0.290	0.060	0.039	0.015	0.020	0.000	0.000	0.000
HF	T37091	37091	0.310	0.180	0.670	0.006	0.001	0.280	0.050	0.053	0.018	0.030	0.000	0.000	0.000
HF	T37795	37795	0.310	0.180	0.670	0.010	0.002	0.270	0.050	0.052	0.011	0.040	0.000	0.000	0.000
HF	T37796	37796	0.300	0.170	0.670	0.010	0.002	0.260	0.040	0.051	0.010	0.040	0.000	0.000	0.000

NOTES:
Formado en caliente a 620°C-980°C, enfriado al aire.
Cold formed in air normalized at 340°C max.
Holding time 10'.
Visual dimensional check. Satisfactory.
CF. FORMADO EN FRIO/COLD FORMED

NOTES:
Hot formed fittings in a range from 620°C to 980°C, cooled in still air.
Cold formed normalized at 340°C max.
Holding time 10'.
Visual dimensional check. Satisfactory.
CF. FORMADO EN FRIO/COLD FORMED

The Products described herein were produced in accordance with the above referenced specification and are identified with the "R" which is permanently marked on each fitting.

Jefe de Calidad:
ING. JOSE MARRINEZ MACIAS

CC-008