



**CERTIFICADO DE CALIDAD
INSPECTION CERTIFICATE**
(DIN EN 10204:2004E - ISO 10474.3.1.B)

Tubos de Acero de México, S.A.
Car. My-Laredo Km 24.2
Apartado Postal 43
(65550) C. de Flores, N.L. Méx.
(52) 81 8305 9600 Tel
(52) 81 8305 9620 Fax

Vendido a:	PLESA ANAHUAC Y CIA. S. A. DE C. V.	Pedido del Cliente No:	4273 - 4216 -	Lista de Empaque:	1 0349	Fecha/Date:	31 de Marzo de 2008
Sold to:		Customers Order No:		Packing List:			
Especificaciones y Grados / Standard or Specification and Steel Grade		Dimensiones y tolerancias / Dimension and tolerances		Factura/Invoice:		Bocas / Ends	
Seamless Fittings according to ASTM A 234 "W" WPB-87, A234 "W" WPB-06s, NACE MR 01.75-2003		ASME B 16.9 - 2003 and ASME B 16.28 - 1994		Biselado / Bevelled ends			
Conform to ASME II Ed. 2001 ASME SA-234 "W" Grade WPB.							

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. %Z"	DUREZA HARDNESS HBW	1 Joules	2 Joules	3 Joules	PROMEDIO AVERAGE Joules
1	T37205	32	TEE RED. 8 X 4 CED-STD	316	484	41	97				
2	T37248	10	TEE 12 CED-40	320	477	38	99				

PROCESO PROCESS	COLADA HEAT CODE	COLADA/HEAT M.P./MOTHER PIPE	ANALISIS QUIMICO / CHEMICAL ANALYSIS											
			%C.E.	%C	%Mn	%P	%S	%Si	%Cr	%Cu	%Mo	%Ni	%V	%Nb
HP	T37205	37205	0.310	0.170	0.670	0.010	0.002	0.280	0.050	0.053	0.050	0.030	0.000	0.000
HP	T37248	37248	0.310	0.180	0.670	0.009	0.001	0.270	0.070	0.046	0.021	0.030	0.000	0.000

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.

Este material cumple con los requerimientos especificados en la orden.
The material of this certificate heat number mentioned above is in compliance with the requirements specified in the order.

Certificamos que los resultados de los Analisis Quimicos y Pruebas Mecanicas son verdaderos o una copia fiel de los certificados enviados por el Fabricante y/o el proveedor de Materia Prima (Tubería Sin Costura) conforme ASTM A106 Grado B con N°
We certify that result of chemical analysis and mechanical test are true and correct copy of the test certificate issued by the manufacturer and/or supplier Raw material (Seamless Pipe) certs conform to ASTM A106 Grade B N°:
7060802 8002253

Jefe de Calidad:
Quality Manager:

ING. WILDO GALLEGOS GALVAN

CC-008

Notes:
Formado en caliente a 620°C-960°C, enfriado al aire.
Hot formed in a range from 620°C to 960°C, cooled in air.
Cold formed normalized at 940°C max.
Holding time 10'.
Visual dimensional check: Satisfactory
CF: FORMADO EN FRIO/COLD FORMED