

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

Vendido a: PIESA ANAHUAC	Pedido del Cliente No.: 493 668 693	Lista de Empaque: 7908	Fecha/Date: 15 de Diciembre de 2005
Sold to:	Customers Order No.:	Packing List:	
Especificaciones y Grados / Standard or Specification and Steel Grade Seamless Fittings according to ASTM A 234-97, A234-92 / ASME ANSA 234 WPB -	Dimensiones y tolerancias / Dimension and tolerances	Factura/Invoice: Bocas / Ends	
NACE MR 01.75-2003 - Conform to ASME II Ed. 2001	ASME B 16.9 and ASME B 16.28 edition 2001	Biselado / Bevelled ends	

ART. ITEM	COLADA HEAT CODE	CANTIDA 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"	DUREZA HARDNESS HB	DIMENSIONES SAMPLE DIM mm	1 Joules	2 Joules	3 Joules
1	T24802	60	ELIS 8 X 45 SCH-STD	315	481	41	123				
2	T16033	10	CONC. RED. 12 X 10 SCH-STD	344	510	45	106				
3	T11686	10	CONC. RE. 12 X 6 SCH-STD	341	508	42	139				
4	T21683	2	CONC. RED. 16 X 10 SCH-STD	364	483	43	106				
5	T24801	25	CONC. RED. 6 X 4 SCH-STD	268	477	42	122				
6	T21535	15	CONC. RED. 8 X 6 SCH-STD	289	482	34	116				
7	T23135	80	TEE 4 SCH-STD	334	482	31	106				
8	T18902	1	RED. TEE 12 X 10 SCH-STD	329	495	31	113				
9	T21683	2	RED. TEE 12 X 10 SCH-STD	364	483	43	106				
10	KW5	15	RED. TEE 4 X 3 SCH-STD	320	462	38	156				
11	T25509	12	RED. TEE 6 X 3 SCH-STD	330	473	42	106				

ANALISIS QUIMICO / CHEMICAL ANALYSIS

PROCESO PROCESS	COLADA HEAT CODE	COLADAH/HEAT M.P./MOTHER PIPE	%C.E.	%C	%Mn	%P	%S	%SI	%Cr	%Cu	%Mo	%Ni	%V	%Nb
HF	T24802	24802	0.317	0.180	0.670	0.011	0.001	0.280	0.050	0.071	0.041	0.030	0.000	0.000
CF	T16033	16033	0.308	0.180	0.700	0.006	0.001	0.280	0.003	0.089	0.009	0.040	0.000	0.000
CF	T11686	11686	0.341	0.180	0.790	0.013	0.002	0.270	0.080	0.069	0.029	0.040	0.000	0.000
CF	T21683	21683	0.328	0.190	0.690	0.008	0.001	0.260	0.050	0.056	0.034	0.030	0.000	0.000
CF	T24801	24801	0.305	0.170	0.690	0.010	0.009	0.270	0.040	0.078	0.023	0.030	0.000	0.000
CF	T21535	21535	0.318	0.180	0.670	0.008	0.002	0.280	0.060	0.069	0.040	0.030	0.000	0.000
CF	T23135	23135	0.297	0.160	0.670	0.009	0.003	0.260	0.050	0.074	0.043	0.030	0.000	0.000
CF	T18902	18902	0.332	0.190	0.720	0.014	0.003	0.310	0.050	0.057	0.033	0.030	0.000	0.000
CF	T21683	21683	0.328	0.190	0.690	0.008	0.001	0.260	0.050	0.056	0.034	0.030	0.000	0.000
CF	KW5	45137	0.321	0.180	0.650	0.008	0.002	0.230	0.070	0.120	0.030	0.060	0.001	0.001
CF	T25509	25509	0.316	0.180	0.670	0.010	0.002	0.280	0.040	0.088	0.038	0.040	0.000	0.000

Certificamos que los resultados de los Analisis Quimicos y Pruebas Mecanicas son verdaderos o una copia fiel de los certificados enviados por el Fabricante.
 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 certs conform to ASTM A106 Grade B N°.
 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.