

CERTIFICADO DE CALIDAD INSPECTION CERTIFICATE

(DIN EN 10204:2004E - ISO 10474 3.1.B)

Vendido a: Sold to:	PLESA ANAHUAC Y CIA. S. A. DE C. V.	Pedido del Cliente No: Customers Order No:	3645 - 3508	Fecha/Date:	30 de Octubre de 2007
Especificaciones y Grados / Standard or Specification and Steel Grade	Seamless Fittings according to ASTM A 234"WPB-97, A234"WPB-05a, NACE MR 01.75-2003	Dimensiones y tolerancias / Dimension and tolerances		Lista de Empaque: Packing List:	9828
Conform to ASME II Ed. 2001 ASME SA-234"WPB, Grade WPB.		ASME B 16.9 - 2003 and ASME B 16.28 - 1994		Factura/Invoice: Bocas / Ends	1 DE 1
				Biselado / Bevelled ends	


DESCRIPCION DE MATERIAL / MATERIAL DESCRIPTION		PRUEBAS MECANICAS / MECHANICAL TEST					PRUEBA DE IMPACTO 0°C / IMPACT TEST 0°C					
ART. ITEM	COLADA HEAT CODE	CANTIDAD QUANTITY	DESCRIPCION / DESCRIPTION	ESF. CEDENCIA YIELD STRENGTH (Mpa)	ESF. RUPTURA TENSILE STRENGTH (Mpa)	ELONG. %2"	DUREZA HARDNESS HBW	DIMENSIONES SAMPLE DIM mm	1 Joules	2 Joules	3 Joules	PROMEDIO AVERAGE Joules
1	S21572	36	CODO 6 X 45° CED-XS	329	455	40	94					
2	S22920	20	CODO 6 X 90° R.C. CED-STD	299	469	34	114					
3	T35714	24	CODO 8 X 45° CED-XS	334	492	31	89					
4	T34179	110	TEE 4 CED-STD	356	478	37	108					
5	T33901	33	TEE 4 CED-XS	315	491	40	81					
6	T35302	60	CODO 6 X 90° R.L. CED-XS	323	501	40	94					
7	T35698	12	CODO 10 X 45° CED-STD	318	459	41	91					
8	T35697	36	CODO 10 X 45° CED-STD	310	479	37	84					
9	S22920	92	CODO 4 X 90° R.L. CED-XS	297	476	32	105					
10	S22620	120	CODO 1 1/2 X 90° R.L. CED-STD.	325	530	45	137					
11	T35601	20	TEE RED. 8 X 6 CED-STD	305	480	46	88					

ANALISIS QUIMICO / CHEMICAL ANALYSIS														
PROCESO PROCESS	COLADA HEAT CODE	COLADA/HEAT M.P./MOTHER PIPE	%C.E.	%C	%Mn	%P	%S	%SI	%Cr	%Cu	%Mo	%Ni	%V	%Nb
HF	S21572	21572	0.320	0.190	0.700	0.009	0.002	0.280	0.030	0.029	0.010	0.020	0.001	0.002
HF	S22920	22920	0.310	0.180	0.730	0.012	0.001	0.280	0.030	0.031	0.010	0.036	0.001	0.002
HF	T35714	35714	0.350	0.180	0.850	0.011	0.001	0.300	0.060	0.064	0.037	0.040	0.000	0.000
HF	T34179	34179	0.310	0.180	0.670	0.009	0.001	0.270	0.050	0.072	0.027	0.030	0.000	0.000
HF	T33901	33901	0.310	0.170	0.670	0.008	0.002	0.280	0.060	0.066	0.049	0.030	0.000	0.000
HF	T35302	35302	0.350	0.180	0.840	0.012	0.002	0.300	0.060	0.066	0.036	0.040	0.000	0.000
HF	T35698	35698	0.310	0.180	0.670	0.008	0.001	0.280	0.040	0.051	0.024	0.030	0.000	0.000
HF	T35697	35697	0.320	0.180	0.700	0.010	0.001	0.310	0.040	0.061	0.024	0.030	0.000	0.000
HF	S22920	22920	0.310	0.180	0.720	0.012	0.001	0.270	0.030	0.029	0.010	0.036	0.001	0.001
HF	S22620	22620	0.320	0.180	0.770	0.013	0.001	0.250	0.050	0.021	0.010	0.022	0.001	0.001
HF	T35601	35601	0.320	0.180	0.680	0.011	0.001	0.310	0.060	0.070	0.035	0.030	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 y/o el proveedor de Materia Prima (Tuberia 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°. 373324 387179 7044083 7019603 7025803 7035117 7038799 7038412 386862 7043236 7044555

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".

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:  Quality Manager: **ING. JOSE MARTINEZ MACIAS**

CC-008