

**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:	PIESA ANAHUAC	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 234-97, A234-02 / ASME ASA 234 WRB -		ASME B 16.9 and ASME B 16.28 edition 2001		Biselado / Bevelled ends			
NACE MR 01,75-2003 - Conform to ASME II Ed. 2001							

ART. ITEM	COLADA HEAT CODE	CANTIDA QUANTITY	DESCRIPCION / DESCRIPTION	PRUEBAS MECANICAS / MECHANICAL TEST			DUREZA HARDNESS HB	DIMENSIONES SAMPLE DIM mm	PRUEBA DE IMPACTO 0°C / IMPACT TEST 0°C		
				ESF. CEDENCIA YIELD STRENGTH (Mpa)	ESF. RUPATURA TENSILE STRENGTH (Mpa)	ELONG. %2"			1 Joules	2 Joules	3 Joules
1	T25668	18	ELLS 12 X 45 SCH-STD	337	480	44	121				
2	T25668	36	ELLS 12 X 90 L.R. SCH-STD	337	480	44	121				
3	T25229	9	ELLS 12 X 90 L.R. SCH-XH	344	494	40	106				
4	T24631	6	ELLS 14 X 45 SCH-STD	308	477	46	124				
5	S33683	50	ELLS 2 1/2 X 45 SCH-STD	322	483	50	123				
6	S37368	200	ELLS 2 X 90 L.R. SCH-STD	324	499	21	114				
7	S37671	13	ELLS 4 X 45 SCH-STD	340	487	35	138				
8	S37919	187	ELLS 4 X 45 SCH-STD	351	492	40	113				
9	S31740	25	ELLS 4 X 45 SCH-XH	318	492	50	147				
10	S35969	50	ELLS 4 X 90 L.R. SCH-XH	329	476	39	137				
11	T25751	100	ELLS 6 X 90 L.R. SCH-STD	304	473	38	124				

ANALISIS QUIMICO / CHEMICAL ANALYSIS

PROCESO PROCESS	COLADA HEAT CODE	COLADAH/HEAT M.P/MOTHER PIPE	%C	%Mn	%P	%S	%Si	%Cr	%Cu	%Mo	%Ni	%V	%Nb
HF	T25668	25668	0.296	0.160	0.008	0.003	0.290	0.040	0.075	0.043	0.040	0.000	0.000
HF	T25668	25668	0.296	0.160	0.008	0.003	0.290	0.040	0.075	0.043	0.040	0.000	0.000
HF	T25229	25229	0.305	0.170	0.008	0.002	0.280	0.040	0.088	0.025	0.040	0.000	0.000
HF	T24631	24631	0.318	0.180	0.008	0.001	0.280	0.050	0.088	0.033	0.040	0.000	0.000
HF	S33683	33683	0.316	0.170	0.015	0.001	0.310	0.040	0.040	0.010	0.018	0.001	0.001
HF	S37368	37368	0.325	0.180	0.011	0.001	0.300	0.030	0.025	0.050	0.028	0.001	0.001
HF	S37671	37671	0.305	0.170	0.010	0.001	0.280	0.030	0.061	0.010	0.036	0.001	0.001
HF	S37919	37919	0.344	0.180	0.014	0.001	0.310	0.050	0.063	0.020	0.066	0.001	0.001
HF	S31740	31740	0.328	0.190	0.015	0.002	0.290	0.030	0.048	0.010	0.027	0.001	0.001
HF	S35969	35969	0.323	0.190	0.009	0.001	0.290	0.030	0.025	0.020	0.014	0.001	0.001
HF	T25751	25751	0.303	0.170	0.008	0.002	0.280	0.040	0.078	0.020	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 conforme ASTM A106/Grades 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 certs conform to ASTM A106 Grade B N°.

05027288 05025189
 05022917 218585 255052
 255068 257852 201063
 238315 05027681

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.