

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

Vendido a:	PIESA ANAHIUAC	Pedido del Cliente No:	22, 68, 346	Lista de Empaque:	7701	Fecha/Date:	8 de Septiembre de 2005
Specifications:	Seamless Fittings according to ASTM A 234-97, A234-02 / ASME AISA 234 WPB - NACE MR 01.75 ed. 02 - Conform to ASME II Ed. 2001	Customers Order No.:		Packing List:		Factural/Invoice:	Bocas / Ends Biselado / Bevelled ends
		Dimensiones y tolerancias / Dimension and tolerances					
		ASME B 16.9 and ASME B 16.28 edition 2001					

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"	DUREZA HARDNESS HB	1	2	3	PROMEDIO AVERAGE Joules
1	T21535	20	CONC. RED. 8 X 6 SCH-STD	289	482	34	116				
2	T22407	5	CONC. RED. 6 X 5 SCH-STD	302	476	42	124				
3	S37673	20	CONC. RED. 4 X 3 SCH-STD	335	497	29	106				
4	S37673	20	CONC. RED. 4 X 2 SCH-STD	335	497	29	106				
5	T22033	3	TEE 5 SCH-XH	330	466	37	170				
6	T23135	19	ELLS 8 X 45 SCH-STD	308	478	37	109				
7	T22409	1	ELLS 8 X 45 SCH-STD	256	462	44	120				
8	T23129	15	RED. TEE 8 X 6 SCH-STD	287	472	36	116				
9	S32202	25	ELLS 2 1/2 X 45 SCH-STD	344	497	50	150				
10	T21775	75	ELLS 4 X 45 SCH-STD	353	489	40	122				
11	T43861	30	ELLS 3 X 45 SCH-XH	267	423	35	133				

**ANALISIS QUIMICO / CHEMICAL ANALYSIS**

PROCESO PROCESS	COLADA HEAT CODE	COLADA/HEAT M.P/MOTHER PIPE	%C	%Mn	%P	%S	%SI	%Cr	%Cu	%Mo	%Ni	%V	%Nb
CF	T21535	21535	0.318	0.180	0.670	0.008	0.280	0.060	0.069	0.040	0.030	0.000	0.000
CF	T22407	22407	0.306	0.170	0.690	0.010	0.270	0.050	0.055	0.025	0.030	0.000	0.000
CF	S37673	37673	0.323	0.180	0.770	0.010	0.300	0.030	0.039	0.020	0.020	0.002	0.001
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CF	T22033	22033	0.313	0.170	0.700	0.009	0.270	0.060	0.061	0.040	0.030	0.000	0.000
CF	T23135	23135	0.316	0.180	0.660	0.009	0.260	0.050	0.073	0.045	0.030	0.000	0.000
CF	T22409	22409	0.299	0.170	0.670	0.007	0.270	0.040	0.054	0.018	0.030	0.000	0.000
CF	T23129	23129	0.307	0.170	0.670	0.008	0.270	0.040	0.062	0.054	0.030	0.000	0.000
CF	S32202	32202	0.329	0.190	0.300	0.010	0.300	0.400	0.044	0.020	0.021	0.001	0.001
CF	T21775	21775	0.301	0.170	0.660	0.009	0.300	0.050	0.069	0.024	0.030	0.000	0.000
CF	T43861	43861	0.324	0.165	0.818	0.008	0.000	0.336	0.061	0.002	0.174	0.002	0.001

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 A106GradeB 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°.

05006231 05010778 05012940  
05012940 05009104 05014833  
05010781 05014209 207960  
05008845 125802

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.