

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

Vendido a: PIESA ANAHUAC Sold to:	Pedido del Cliente No: 752 Customers Order No:	Numero: Number: 15355	Pagina/Page: 1 DE 1
Especificaciones y Grados / Standard or Specification and Steel Grade Seamless Fittings according to ASTM A 234-97, A234-02 / ASME SA 234 WPB - NACE MR 01.75-2003 - Conform to ASME II Ed. 2001	Dimensiones y tolerancias / Dimension and tolerances ASME B 16.9 and ASME B 16.28 edition 2001	Lista de Empaque: Packing List: 7 938	Fecha/Date: 28 de Diciembre de 2005
DESCRIPCION DE MATERIAL / MATERIAL DESCRIPTION		PRUEBAS MECANICAS / MECHANICAL TEST	
PRUEBA DE IMPACTO 0°C / IMPACT TEST 0°C		Boccas / Ends Biselado / Bevelled ends	

ART. ITEM	COLADA HEAT CODE	CANTIDA QUANTITY	DESCRIPCION / DESCRIPTION	ESF. CEDENCIA YIELD STRENGTH (Mpa)	ESF. RUPATURA TENSILE STRENGTH (Mpa)	ELONG. %2"	DUREZA HARDNESS HB	DIMENSIONES SAMPLE DIM mm	1 Joules	2 Joules	3 Joules	PROMEDIO AVERAGE Joules
1	S37671	456	ELLS 4 X 90 L.R. SCH-STD	340	487	35	138					
2	S35831	50	ELLS 5 X 90 L.R. SCH-STD	346	490	50	116					
3	T24359	200	ELLS 6 X 90 L.R. SCH-STD	319	475	42	116					
4	T22407	60	ELLS 8 X 90 L.R. SCH-STD	302	476	42	124					
5	T22408	60	ELLS 8 X 90 L.R. SCH-STD	308	478	40	124					
6	T24801	60	ELLS 8 X 90 L.R. SCH-STD	268	477	42	122					

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
HF	S37671	37671	0.305	0.170	0.720	0.010	0.001	0.280	0.030	0.061	0.010	0.036	0.001
HF	S35831	35831	0.308	0.170	0.740	0.018	0.001	0.300	0.040	0.051	0.010	0.023	0.001
HF	T24359	24359	0.297	0.160	0.680	0.008	0.000	0.280	0.050	0.063	0.039	0.030	0.000
HF	T22407	22407	0.306	0.170	0.690	0.010	0.002	0.270	0.050	0.055	0.025	0.030	0.000
HF	T22408	22408	0.303	0.170	0.680	0.009	0.001	0.280	0.050	0.053	0.023	0.030	0.000
HF	T24801	24801	0.305	0.170	0.690	0.010	0.009	0.270	0.040	0.078	0.023	0.030	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 A106Grades 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°:
 255068 283313 05021168
 05010778 05011035 05023266

Notes:
 Formado en caliente a 780°C-840°C, enfriado al aire. Formado en frío normalizado a 840°C max.
 Hot formed fittings in a range from 780°C to 840°C, cooled in still air. Cold formed normalized at 840°C max.
 Tiempo de permeancia 10'
 Holding time 10'
 Inspección Dimensional: Satisfactoria. Visual dimensional check: Satisfactory.
 HE FORMADO EN CALIENTE/HOT FORMED CF FORMADO EN FRIOCOLD FORMED

Jefe de Aseguramiento de Calidad:
 Quality Assurance Coordinator

 ING. JOSE MARTINEZ MACIAS
 CC-008