

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

Vendido a: _____
 Sold to: _____
 Especificaciones y Grados / Standard or Specification and Steel Grade
 Seamless Fittings according to ASTM A 234-97, A234-02 / ASME SA324 WPPB -
 NACE MR 01-75-2003 - Conform to ASME II Ed. 2001
 Pedido del Cliente No: 207 210 300
 Customers Order No: _____
 Dimensiones y tolerancias / Dimension and tolerances
 ASME B 16.9 and ASME B 16.28 edition 2001
 Numero: 16004
 Pagina/Page: 1 DE 1
 Lista de Empaque: 8197
 Packing List: _____
 Fecha/Date: 9 de Mayo de 2006

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 HB	DIMENSIONES SAMPLE DIM mm	1 Joules	2 Joules	3 Joules	PROMEDIO AVERAGE Joules
1	T26966	5	TEE 8 SCH-STD	320	483	41	106					
2	T27887	42	TEE 8 SCH-STD	308	481	43	126					
3	T21932	10	TEE 8 SCH-XH	312	463	37	104					
4	T27073	200	RED. TEE 6 X 4 SCH-STD	331	464	35	108					

ANALISIS QUIMICO / CHEMICAL ANALYSIS														
PROCESO PROCESS	COLADA HEAT CODE	COLADAMOTHER PIPE	%C.E.	%C	%Mn	%P	%S	%SI	%Cr	%Cu	%MO	%NI	%V	%Nb
CF	T26966	26966	0.323	0.170	0.760	0.009	0.003	0.300	0.050	0.087	0.036	0.050	0.000	0.000
CF	T27887	27887	0.309	0.170	0.690	0.010	0.002	0.280	0.060	0.080	0.025	0.030	0.000	0.000
CF	T21932	21932	0.310	0.180	0.660	0.008	0.002	0.260	0.030	0.069	0.039	0.030	0.000	0.000
CF	T27073	27073	0.306	0.170	0.680	0.007	0.002	0.280	0.050	0.075	0.026	0.040	0.000	0.000

Notas:
 Formado en caliente a 700°C/940°C, enfriado al aire.
 Hot formed in a range from 700°C to 940°C, cooled in air.
 Formado en frío normalizado a 940°C max.
 Cold formed normalized at 940°C max.
 Tiempo de permanencia 10'.
 Holding time 10'.
 Inspección Dimensional Satisfactoria.
 Visual dimensional check Satisfactory.
 HE FORMADO EN CALIENTE/HOT FORMED
 CF FORMADO EN FRIO/COLD FORMED

The Products described herein were produced in accordance with the above reference specification and are identified with the "R" which is permanently marked on each fitting.
 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.
 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 A106GradesB 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 certis conform to ASTM A106 Grade B N°.
 06003195 06009581 05008990
 6003965
 Jefe de Aseguramiento de Calidad:
 Quality Assurance Coordinator
 ING. JOSE MARTINEZ MACIAS
 CC-008