

**CERTIFICADO DE CALIDAD
 INSPECTION CERTIFICATE**
 (DIN EN 10204:2004E - ISO 10474 3.1.B)

Vendido a: **PIESA ANAHUAC Y CIA. S. A. DE C. V.** Pedido del Cliente No: **2097 -** Fecha/Date: **7 de Noviembre de 2006**
 Sold to: **PIESA ANAHUAC Y CIA. S. A. DE C. V.** Customers Order No: **2097 -** Packing List: **8629**
 Especificaciones y Grados / Standard or Specification and Steel Grade **Dimensiones y tolerancias / Dimension and tolerances** Factural/invoice: **Bocas / Ends**
 Seamless fittings according to ASTM A 234-97, A 234-05a, NACE MR 01-75-2003 **ASME B 16.9 - 2003 and ASME B 16.28 - 1994** Biselado / Bevelled ends
 Conform to ASME II Ed. 2001 ASME SA-234, Grade WPB

Numero: **16923** Pagina/Page: **1 DE 1**
 Number: **16923**

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. RUPATURA TENSILE STRENGTH (Mpa)	ELONG. %2"	DUREZA HARDNESS HB	1 Joules	2 Joules	3 Joules	PROMEDIO AVERAGE Joules
23	T14610	5	RED. CONC. 12 X 6 CED-STD	341	492	42	114				

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
CF	T14610	14610	0.310	0.170	0.700	0.011	0.002	0.270	0.050	0.081	0.028	0.040	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° 4000627. 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° 4000627.

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.

Notas: Formado en caliente a 620°C-880°C, enfriado al aire. Formado in the normalized a 840°C max. Hot formed fittings in a range from 620°C to 880°C, cooled in air. Cold formed normalized at 840°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 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