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<b>CERTIFICADO DE CALIDAD</b> <b>INSPECTION CERTIFICATE</b> (DIN EN 10204 3.1.B - ISO 10474 3.1.B)		Numero: 15926	Pagina/Page: 1 DE 1
Vendido a: <b>PLESA ANAHUAC</b>		Fecha/Date: 20 de Abril de 2006	
Sold to: Especificaciones y Grados / Standard or Specification and Steel Grade Seamless Fittings according to ASTM A 234-97, A234-92 / ASME ASA 234 WPB - NACE MR 01.75-2003 - Conform to ASME II Ed. 2001		Lista de Empaque: 1304	
Pedido del Cliente No: Customers Order No: Dimensiones y tolerancias / Dimension and tolerances		Factura/Invoice: Bocas / Ends Biselado / Bevelled ends	
<b>ASME B 16.9 and ASME B 16.28 edition 2001</b>			

DESCRIPCION DE MATERIAL / MATERIAL DESCRIPTION		PRUEBAS MECANICAS / MECHANICAL TEST			PRUEBA DE IMPACTO 0°C / IMPACT TEST 0°C						
ART. ITEM	COLADA HEAT CODE	CANTIDA QUANTITY	DESCRIPCION / DESCRIPTION	ESF. CEDENCIA YIELD STRENGTH (Mpa)	ESF. RIPTURA TENSILE STRENGTH (Mpa)	ELONG. %2"	DUREZA HARDNESS HB	DIMENSIONES SAMPLE DIM mm	1 Joules	2 Joules	3 PROMEDIO AVERAGE Joules
1	T18957	8	TEE 4 SCH-STD	317	493	41	141				
2	T20958	14	TEE 4 SCH-STD	305	480	35	106				
3	T21587	88	TEE 4 SCH-STD	413	504	35	109				

ANALISIS QUIMICO / CHEMICAL ANALYSIS													
PROCESO PROCESS	COLADA HEAT CODE	COLADA HEAT MP/MOTHER PIPE	%C	%E	%Mn	%P	%S	%Cr	%Cu	%Mo	%Ni	%V	%ND
CF	T18957	18957	0.308	0.170	0.680	0.008	0.001	0.290	0.040	0.073	0.046	0.000	0.000
CF	T20958	20958	0.352	0.190	0.840	0.009	0.002	0.280	0.040	0.077	0.034	0.000	0.000
CF	T21587	21587	0.324	0.190	0.660	0.010	0.002	0.280	0.050	0.068	0.037	0.000	0.000

Notas:  
 Formado en caliente a 780°C-840°C, enfriado al aire.  
 Hot formed fittings in a range from 780°C to 840°C, cooled in still air.  
 Formado en frío normalizado a 840°C max.  
 Cold formed normalized at 840°C max.  
 Tiempo de permanencia 10"  
 Holding time 10"  
 Inspección Dimensional Satisfactoria  
 Visual dimension check Satisfactory  
 Formado en caliente Formed  
 CF FORMADO EN FRIOCALDO FORMED

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.

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 Aseguramiento de Calidad:  
 Quality Assurance Coordinator

ING. JOSE MARTINEZ MACIAS

CC-008