

CERTIFICADO DE CALIDAD INSPECTION CERTIFICATE (DIN EN 10204:2004E - ISO 10474 3.1.B)		Número: Number: 23953	Página/Page: 1 DE 1
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Vendido a: Sold to: PLESA ANAHUAC Y CIA. S.A. DE C.V.	Pedido del Cliente No: Customers Order No: 8776 - 8989 - 8701 -	Lista de Empaque: Packing List: 12280	Fecha/Date: 25 de Octubre de 2010
Especificaciones y Grados / Standard or Specification and Steel Grade Seamless Fittings according to ASTM A 234M WPB-07, NACE MR 01.75-2003 Conform to ASME II Ed. 2001 ASME SA-234M Grade WPB, NACE MR0103-2003	Dimensiones y tolerancias / Dimension and tolerances ASME B 16.9 - 2007 and ASME B 16.28 - 1994		Factura/Invoice: Bocas / Ends Biselado / Bevelled ends

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 HBW	DIMENSIONES SAMPLE DIM mm	1 Joules	2 Joules	3 Joules	PROMEDIO AVERAGE Joules
1	T51653	228	CODO 4 X 90° R.L. CED-STD	354	502	34	118					
2	T50206	233	CODO 3 X 90° R.L. CED-STD	354	506	37	118					
3	T51653	31	CODO 4 X 45° CED-STD	354	502	34	118					
4	S32706	48	CODO 2 X 45° CED-STD	341	507	30	116					
5	T51816	60	CODO 8 X 90° R.L. CED-STD	328	494	39	122					
6	T46857	12	RED. CONC. 10 X 6 CED-XS	316	488	40	122					
7	T49259	5	TEE RED. 8 X 4 CED-STD	330	477	40	120					

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
HF	T51653	51653	0.320	0.180	0.750	0.008	0.002	0.280	0.050	0.052	0.017	0.030	0.000	0.000
HF	T50206	50206	0.320	0.180	0.690	0.014	0.002	0.280	0.060	0.073	0.025	0.040	0.000	0.000
HF	T51653	51653	0.320	0.180	0.750	0.008	0.002	0.280	0.050	0.052	0.017	0.030	0.000	0.000
HF	S32706	32706	0.320	0.180	0.790	0.013	0.001	0.290	0.030	0.046	0.010	0.027	0.001	0.001
HF	T51816	51816	0.320	0.180	0.720	0.009	0.002	0.310	0.060	0.069	0.027	0.040	0.000	0.000
CF	T46857	46857	0.310	0.180	0.660	0.011	0.003	0.300	0.040	0.077	0.029	0.040	0.000	0.000
HF	T49259	49259	0.310	0.180	0.690	0.012	0.002	0.280	0.040	0.073	0.022	0.030	0.000	0.000

Certificamos que los resultados de los Análisis Químicos y Pruebas Mecánicas son verdaderos o una copia fiel de los certificados enviados por el Fabricante y/o el proveedor de Materia Prima (Tubería Sin Costura) conforme ASTM A106 Grado B con N°: 10048783 10039275 10048783 479006 10047435 10016510 10024070

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°: 10048783 10039275 10048783 479006 10047435 10016510 10024070

"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".

<p>Notas:</p> <p>Formado en caliente a 620°C-980°C, enfriado al aire; Formado en frío normalizado a 940°C max.</p> <p>Tiempo de permanencia 10'.</p> <p>Inspección Dimensional: Satisfactoria.</p> <p>HF: FORMADO EN CALIENTE/HOT FORMED</p>	<p>Notes:</p> <p>Hot formed fittings in a range from 620°C to 980°C, cooled in still air, cold formed normalized at 940°C max.</p> <p>Holding time 10'.</p> <p>Visual dimensional check: Satisfactory</p> <p>CF: FORMADO EN FRIO/COLD FORMED</p>	<p><i>Waldo Gallegos</i></p> <p>Quality Manager / Jefe de Calidad:</p> <p>ING. WALDO GALLEGOS GALVAN</p>	<p>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./ The values of hardness for fittings NPS 2 1/2" and smaller ones obtain from the conversion of hardness Rockwell B to hardness Brinell HBW by means of table WILSON DESK CHART 60.</p> <p>Los valores de dureza para conexiones de NPS de 2 1/2" y menores, se obtienen de la conversión de dureza Rockwell B a dureza Brinell HBW mediante la tabla WILSON DESK CHART 60.</p>
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