

CERTIFICADO DE CALIDAD INSPECTION CERTIFICATE (DIN EN 10204:2004E - ISO 10474 3.1.B)		Numero: Number: 30661	Pagina/Page: 3
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Vendido a: Sold to: PLESA ANAHUAC Y CIA. S.A. DE C.V.	Pedido del Cliente No: Customers Order No: 24475 -	Lista de Empaque: Packing List: 16047	Fecha/Date: 22 de diciembre de 2016
Especificaciones y Grados / Standard or Specification and Steel Grade Seamless Fittings according to ASTM A 234 WPB-13e Conform to ASME II Ed. 2013 ASME SA-234, Grade WPB	Dimensiones y tolerancias / Dimension and tolerances ASME B 16.9 - 2012		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
23	T79925	3	RED. CONC. 16 X 8 CED-40	343	502	43	134					
24	T68816	1	RED. CONC. 16 X 8 CED-40	322	487	38	150					
25	T71906	50	CODO 1 X 45° CED-STD	287	444	51	116					
26	T79926	10	RED. CONC. 14 X 8 CED-STD	321	505	44	138					
27	T72870	5	TEE RED. 10 X 6 CED-80	276	460	31	139					
28	T72870	4	RED. CONC. 12 X 8 CED-80	276	460	31	139					
29	T78169	4	RED. CONC. 12 X 10 CED-40	265	420	36	140					
30	T72870	5	TEE RED. 10 X 4 CED-80	276	460	31	139					

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	T79925	79925	0.310	0.180	0.690	0.006	0.001	0.280	0.040	0.069	0.021	0.030	0.000	0.000
CF	T68816	68816	0.320	0.190	0.700	0.007	0.000	0.280	0.050	0.054	0.008	0.030	0.000	0.000
HF	T71906	71906	0.260	0.150	0.550	0.016	0.002	0.170	0.070	0.104	0.022	0.050	0.000	0.000
CF	T79926	79926	0.330	0.180	0.730	0.006	0.002	0.280	0.070	0.068	0.030	0.030	0.000	0.000
HF	T72870	72870	0.310	0.180	0.670	0.006	0.002	0.280	0.040	0.062	0.016	0.040	0.000	0.000
CF	T72870	72870	0.310	0.180	0.670	0.006	0.002	0.280	0.040	0.062	0.016	0.040	0.000	0.000
CF	T78169	78169	0.310	0.180	0.660	0.007	0.002	0.280	0.040	0.063	0.013	0.030	0.000	0.000
HF	T72870	72870	0.310	0.180	0.670	0.006	0.002	0.280	0.040	0.062	0.016	0.040	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°:
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°:
16005020 14004041 F00016323 16006890 14041844 14041844 15029457 14041844
"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.</p> <p>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>Quality Manager/Jefe de Calidad: ING. ALFONSO ORTEGA GARCIA</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> <p>MATERIAL ACCORDING TO NACE MR0175/ISO 15156-1,2009 AND NACE MR0103,2012 ONLY HARDNESS</p>	<p>FOR03161</p>
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