

CERTIFICADO DE CALIDAD INSPECTION CERTIFICATE (DIN EN 10204:2004E - ISO 10474 3.1.B)		Numero: Number: 25058	Pagina/Page: 2
Vendido a: Sold to: PLESA ANAHUAC Y CIA. S.A. DE C.V.	Pedido del Cliente No: Customers Order No: 11409 - 11325 - 10963 - 11177 -	Lista de Empaque: Packing List: 12933	Fecha/Date: 28 de Octubre de 2011
Especificaciones y Grados / Standard or Specification and Steel Grade Seamless Fittings according to ASTM A 234 WPB-07, NACE MR 01.75-2003 Conform to ASME II Ed. 2001 ASME SA-234, 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
12	T57065	8	CODO 10 X 45° CED-XS	299	480	41	120					
13	T50508	36	CODO 8 X 90° R.C. CED-STD	313	491	42	122					
14	T49961	4	CODO 8 X 90° R.C. CED-STD	303	476	40	120					
15	S38130	30	CODO 1 1/2 X 45° CED-XS	358	524	34	130					
16	T54071	80	CODO 4 X 90° R.C. CED-XS	337	495	40	124					
17	T56000	10	TEE RED. 10 X 4 CED-STD	333	501	40	135					
18	S26168	50	CODO 2 1/2 X 90° R.L. CED-XS	264	473	37	126					
19	T52341	3	TEE 14 CED-STD	349	478	45	120					

ANALISIS QUIMICO / CHEMICAL ANALYSIS														Certificamos que los resultados de los Analisis Quimicos y Pruebas Mecánicas son verdaderos o una copia fiel de los certificados enviados por el Fabricante y/o el proveedor	
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	T57065	57065	0.320	0.180	0.680	0.013	0.002	0.280	0.070	0.066	0.016	0.040	0.000	0.000	
HF	T50508	50508	0.320	0.180	0.680	0.010	0.002	0.270	0.060	0.071	0.024	0.030	0.000	0.000	
HF	T49961	49961	0.310	0.180	0.660	0.008	0.002	0.280	0.050	0.060	0.022	0.030	0.000	0.000	
HF	S38130	38130	0.313	0.180	0.710	0.009	0.001	0.280	0.030	0.043	0.020	0.022	0.001	0.001	
HF	T54071	54071	0.000	0.170	0.670	0.009	0.002	0.280	0.060	0.162	0.027	0.070	0.000	0.000	
HF	T56000	56000	0.000	0.180	0.710	0.011	0.002	0.300	0.040	0.071	0.020	0.030	0.000	0.000	
HF	S26168	26168	0.325	0.180	0.810	0.008	0.001	0.290	0.020	0.038	0.010	0.019	0.001	0.001	
HF	T52341	52341	0.310	0.180	0.680	0.013	0.001	0.290	0.050	0.067	0.021	0.030	0.000	0.000	

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°:
11044292 10040732 10040732 258860 11038060 11043520 165677 11007835

"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><i>Waldo Gallegos</i></p> <p>Quality Manager/Jefe de Calidad: 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 obtained 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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