

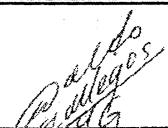
CERTIFICADO DE CALIDAD INSPECTION CERTIFICATE (DIN EN 10204:2004E - ISO 10474 3.1.B)	Número: Number:	Página/Page:	
	22455	1 DE 1	

Vendido a: Sold to:	PLESA ANAHUAC Y CIA. S.A. DE C.V.	Pedido del Cliente No: Customers Order No:	6330 - 6329	Lista de Empaque: Packing List:	11424	Fecha/Date:	12 de Mayo de 2009
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	S28276	3	CODO 6 X 45° CED-XS	326	482	33	89					
2	S32859	13	CODO 6 X 45° CED-XS	332	480	38	102					
3	S32203	20	CODO 6 X 45° CED-XS	293	480	32	111					
4	T42081	3	CODO 8 X 45° CED-XS	313	481	36	110					
5	T40182	3	CODO 8 X 45° CED-XS	335	509	30	112					
6	T36431	2	CODO 8 X 45° CED-XS	312	458	42	110					
7	T41977	6	CODO 14 X 90° R.L. CED-STD	338	494	34	103					
8	T23135	1	TEE 4 CED-XS	334	482	31	106					
9	T33901	1	TEE 4 CED-XS	313	492	38	81					
10	T34179	2	TEE 4 CED-XS	341	463	35	82					
11	T42080	8	TEE 4 CED-XS	318	480	39	106					

ANALISIS QUIMICO / CHEMICAL ANALYSIS														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°: 433163 479806 468606 8070071 8037954 8002472 9003835 5016050 7025803 7025803 8068633	
PROCESO PROCESS	COLADA HEAT CODE	COLADA/HEAT M.P./MOTHER PIPE	%C.E.	%C	%Mn	%P	%S	%Si	%Cr	%Cu	%Mo	%Ni	%V		
HF	S28276	28276	0.330	0.190	0.720	0.008	0.001	0.270	0.040	0.029	0.020	0.029	0.001	0.001	
HF	S32859	32859	0.340	0.200	0.760	0.011	0.002	0.280	0.040	0.063	0.010	0.035	0.001	0.001	
HF	S32203	32203	0.330	0.180	0.790	0.010	0.001	0.290	0.050	0.039	0.010	0.016	0.001	0.001	
HF	T42081	42081	0.300	0.170	0.690	0.010	0.000	0.270	0.040	0.052	0.011	0.030	0.000	0.000	
HF	T40182	40182	0.300	0.170	0.680	0.014	0.002	0.270	0.060	0.062	0.009	0.030	0.000	0.000	
HF	T36431	36431	0.310	0.170	0.690	0.010	0.002	0.290	0.050	0.067	0.022	0.030	0.000	0.000	
HF	T41977	41977	0.290	0.170	0.650	0.011	0.002	0.260	0.040	0.049	0.012	0.030	0.000	0.000	
HF	T23135	23135	0.300	0.160	0.670	0.009	0.003	0.260	0.050	0.074	0.043	0.030	0.000	0.000	
HF	T33901	33901	0.310	0.170	0.670	0.008	0.002	0.280	0.060	0.066	0.049	0.030	0.000	0.000	
HF	T34179	34179	0.310	0.170	0.680	0.009	0.001	0.270	0.050	0.073	0.027	0.040	0.000	0.000	
HF	T42080	42080	0.320	0.180	0.690	0.009	0.001	0.250	0.060	0.064	0.026	0.040	0.000	0.000	

Notas: Formado en caliente a 620°C-980°C, enfriado al aire; Formado en frío normalizado a 940°C max. Tiempo de permanencia 10'. Inspección Dimensional: Satisfactoria. HF: FORMADO EN CALIENTE/HOT FORMED	Notes: Hot formed fittings in a range from 620°C to 980°C, cooled in still air. Cold formed normalized at 940°C max. Holding time 10'. Visual dimensional check: Satisfactory CF: FORMADO EN FRIO/COLD FORMED
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Quality Manager / Jefe de Calidad:
ING. WALDO GALLEGOS GALVAN

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. 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.