

CERTIFICADO DE CALIDAD INSPECTION CERTIFICATE (DIN EN 10204:2004E - ISO 10474 3.1.B)	Número: Number:	Página/Page:
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Vendido a: PROVEEDORA DE MATERIALES ANCER, S.A. Sold to: DE C.V.	Pedido del Cliente No: 5855 - Customers Order No:	Lista de Empaque: 12348 Packing List:	Fecha/Date: 23 de Noviem
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

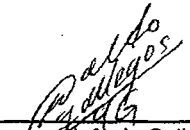
DESCRIPCION DE MATERIAL / MATERIAL DESCRIPTION				PRUEBAS MECANICAS / MECHANICAL TEST				PRUEBA DE IMPACTO 0°C / IMPACT TEST			
ART. ITEM	COLADA HEAT CODE	CANTIDAD QUANTITY	DESCRIPCION / DESCRIPTION	ESF. CEDENCIA YIELD STRENGTH (Mpa)	ESF. RUPTURA TENSILE STRENGTH (Mpa)	ELONG. %2"	DUREZA HARDNESS HBW	DIMENSIONES SAMPLE DIM mm	1 Joules	2 Joules	3 Joules
1	T51525	30	CODO 16 X 90° R.L. CED-XS	320	479	47	120				
2	T51817	144	CODO 6 X 45° CED-STD	316	499	42	124				

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	T51525	51525	0.310	0.180	0.670	0.014	0.003	0.280	0.040	0.063	0.015	0.030	0.000	0.000
HF	T51817	51817	0.330	0.190	0.710	0.011	0.002	0.300	0.050	0.054	0.027	0.030	0.000	0.000

Certificamos que los resultados de los Análisis Químicos y Pruebas Mecánicas verdaderos o una copia fiel de los certificados enviados por el Fabricante y/o de Materia Prima (Tubería Sin Costura) conforme ASTM A106 Grado B con I

We certify that result of chemical analysis and mechanical test are true and c copy of the test certificate issued by the manufacturer and/or supplier Raw material (Seamless Pipe) certs conform to ASTM A106 Grade B N°: 10053788 10047688

"Este material cumple con los requerimientos especificados en la orden".
The material of this certificate heat number mentioned above is in complianc with the requirements specified in the order".

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 nomalized at 940°C max. Holding time 10'. Visual dimensional check: Satisfactory CF: FORMADO EN FRIO/COLD FORMED	 Quality Manager / Jefe de Calidad: ING. WALDO GALLEGOS GALVAN
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The Products described herein were produced in accordance with the above referenced specification and are identified the "R" which is permanently marked on each fitting./ The values of hardness for fittings NPS 2 1/2" and smaller are 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.