



Tabos de Acero de México, S.A.
Carr. Mty.-Laredo Km 24.2
Apartado Postal 43
(65550) C. de Flores, N.L. Méx
(52) 81 8305 9600 tel
(52) 81 8305 9620 fax

CERTIFICADO DE CALIDAD INSPECTION CERTIFICATE (DIN EN 10204:2004E - ISO 10474: 2013 3.1.B)		Numero: Number: 35557	Pagina/Page: 1
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Especificaciones y Grados / Standard or Specification and Steel Grade Seamless Fittings according to ASTM A 234 WPB-19e Conform to ASME II Ed. 2021, ASME SA-234 Grade WPB		Pedido del Cliente No: Customers Order No: 325529 - 316119 -	Lista de Empaque: Packing List: 20620	Fecha/Date: 15 de septiembre de 2022
Dimensiones y tolerancias / Dimension and tolerances ASME B 16.9 - 2018		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	T44203	455	ELLS 4 X 45° SCH-XS	339	483	40	124 115	7.5	91	92	88	90

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°: 22026229 El material cumple con lo especificado en la Orden y PED 97/23/CE Annex I Par 7.5". The material of this certificate heat number mentioned above is in compliance with the requirements specified in the order and PED 97/23/EC Annex I Par 7.5".
PROCESO PROCESS	COLADA HEAT CODE	COLADA/HEAT M.P./MOTHER PIPE	%C.E.	%C	%Mn	%P	%S	%Si	%Cr	%Cu	%Mo	%Ni	%V	
HF	T44203	44203	0.300	0.170	0.680	0.007	0.001	0.260	0.040	0.060	0.010	0.030	0.003	0.002

<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>Timepo 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>Origin raw material:</p> <p>Holding time 10'.</p> <p>Visual dimensionalcheck: Satisfactory</p> <p>CF: FORMADO EN FRIO/COLD FORMED</p>	 Quality Manager/Jefe de Calidad: ING. ANA GABRIELA VAZQUEZ MAYORAL	<p>The Products described herein were produced in accordance with the above referenced specification and are identified with the "T" 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, 2015 AND NACE MR0103.2015 ONLY HARDNESS</p>
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