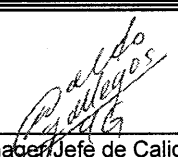


CERTIFICADO DE CALIDAD INSPECTION CERTIFICATE (DIN EN 10204:2004E - ISO 10474 3.1.B)	Número: Number:	Página/Page: 1 DE 1
	23783	

Vendido a: Sold to: PLESA ANAHUAC Y CIA. S.A. DE C.V.	Pedido del Cliente No: Customers Order No: 8701 - 8891 -	Lista de Empaque: Packing List: 12184	Fecha/Date: 3 de Septiembre de 2010
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	T40571	3	TEE RED. 6 X 3 CED-XS	348	496	31	107					
2	T46005	4	TEE RED. 6 X 3 CED-XS	306	473	44	118					
3	T48739	40	CODO 10 X 90° R.I. CED-STD	312	480	41	120					
4	T31643	3	RED. CONC. 10 X 6 CED-XS	315	481	31	84					
5	T39807	4	RED. CONC. 16 X 8 CED-STD	321	458	37	105					
6	T49869	4	CODO 10 X 90° R.I. CED-80	301	473	43	118					
7	T49259	4	TEE RED. 8 X 4 CED-STD	329	490	42	122					
8	T41415	1	RED. CONC. 12 X 6 CED-XS	335	487	35	98					

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°: 8039167 9052832 10025863 6042866 8048263 10028874 10022414 8070076 "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".
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	T40571	40571	0.300	0.170	0.690	0.009	0.004	0.280	0.050	0.057	0.010	0.030	0.000	0.000	
HF	T46005	46005	0.300	0.170	0.660	0.016	0.002	0.290	0.040	0.053	0.018	0.030	0.002	0.000	
HF	T48739	48739	0.300	0.180	0.650	0.012	0.002	0.290	0.030	0.062	0.020	0.030	0.000	0.000	
CF	T31643	31643	0.330	0.180	0.730	0.009	0.002	0.280	0.070	0.086	0.040	0.030	0.000	0.000	
CF	T39807	39807	0.310	0.180	0.670	0.008	0.002	0.280	0.050	0.075	0.016	0.030	0.000	0.000	
HF	T49869	49869	0.300	0.180	0.660	0.014	0.002	0.260	0.020	0.064	0.020	0.030	0.000	0.000	
HF	T49259	49259	0.300	0.170	0.680	0.011	0.002	0.270	0.040	0.073	0.023	0.030	0.000	0.000	
CF	T41415	41415	0.310	0.170	0.780	0.009	0.001	0.270	0.030	0.046	0.004	0.020	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	 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.
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