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CERTIFICADO DE CALIDAD INSPECTION CERTIFICATE (DIN EN 10204:2004E - ISO 10474 3.1.B)		Numero: Number: 25426	Pagina/Page: 1
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Vendido a: Sold to: PLESA ANAHUAC Y CIA. S.A. DE C.V.	Pedido del Cliente No: Customers Order No: 11723 - 12304 - 12170 -	Lista de Empaque: Packing List: 13128	Fecha/Date: 14 de Febrero de 2012
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	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	S32859	1	CODO 4 X 90° R.L. CED-STD	319	501	32	137					
2	T56077	5	CODO 4 X 90° R.L. CED-STD	322	490	36	118					
3	S46665	56	CODO 4 X 90° R.L. CED-STD	305	481	30	140					
4	S44010	39	CODO 4 X 90° R.L. CED-STD	328	489	31	137					
5	S42141	806	CODO 4 X 90° R.L. CED-STD	313	504	34	101					
6	S42828	5	CODO 4 X 90° R.L. CED-STD	304	475	30	133					
7	T54644	4	CODO 14 X 90° R.L. CED-40	244	432	33	111					
8	S31050	20	CODO 1 1/4 X 45° CED-STD	367	534	32	130					

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	S32859	32859	0.340	0.190	0.770	0.011	0.002	0.280	0.040	0.065	0.010	0.035	0.001	0.000
HF	T56077	56077	0.300	0.170	0.680	0.012	0.001	0.280	0.040	0.047	0.010	0.030	0.000	0.000
HF	S46665	46665	0.340	0.200	0.740	0.009	0.001	0.290	0.050	0.053	0.010	0.025	0.001	0.002
HF	S44010	44010	0.330	0.200	0.720	0.009	0.001	0.300	0.020	0.020	0.010	0.012	0.002	0.002
HF	S42141	42141	0.350	0.200	0.800	0.010	0.001	0.330	0.030	0.050	0.010	0.029	0.003	0.002
HF	S42828	42828	0.330	0.190	0.760	0.009	0.003	0.290	0.050	0.038	0.020	0.022	0.001	0.002
HF	T54644	54644	0.310	0.180	0.670	0.006	0.003	0.270	0.050	0.070	0.022	0.050	0.000	0.000
HF	S31050	31050	0.330	0.190	0.760	0.007	0.002	0.270	0.030	0.023	0.010	0.013	0.001	0.000

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°: 473674 11037704 12002319 11007342 11001315 11035963 11042278 479680

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°: 473674 11037704 12002319 11007342 11001315 11035963 11042278 479680

"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".

Notas: Formado en caliente a 620°C-980°C, enfriado al aire; Formado en frío normalizado a 940°C max. Tiempo de permanencia 10'.	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'.	Inspección Dimensional: Satisfactoria. HF: FORMADO EN CALIENTE/HOT FORMED	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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