

CERTIFICADO DE CALIDAD
INSPECTION CERTIFICATE
 (DIN EN 10204:2004E - ISO 10474 3.1.B)

Vendido a:	PLESA ANAHUAC Y CIA. S.A. DE C.V.	Pedido del Cliente No:	2327 - 2390	Lista de Empaque:	8 774	Fecha/Date:	4 de Enero de 2007
Sold to:		Customers Order No:		Packing List:		Factural/Invoice:	Bocas / Ends
Especificaciones y Grados / Standard or Specification and Steel Grade	ASME B 16.9 - 2003 and ASME B 16.28 - 1994	Dimensiones y tolerancias / Dimension and tolerances		Biselado / Bevelled ends			
Seamless Fittings according to ASTM A 234-97, A 234-05a, NACE MR 01 75-2003							
Conform to ASME II Ed. 2001 ASME SA-234, Grade WPB							

ART. ITEM	COLADA HEAT CODE	CANTIDAD QUANTITY	DESCRIPCION / DESCRIPTION	PRUEBAS MECANICAS / MECHANICAL TEST			DUREZA HARDNESS HB	DIMENSIONES SAMPLE DIM mm	PRUEBA DE IMPACTO 0°C / IMPACT TEST 0°C		
				ESF. CEDENCIA YIELD STRENGTH (Mpa)	ESF. RUPтура TENSILE STRENGTH (Mpa)	ELONG. %2"			1 Joules	2 Joules	3 Joules
1	S80268	228	CODO 4 X 90° R.L. CED-STD	313	475	36	114				
2	S47235	264	CODO 3 X 90° R.L. CED-STD	316	492	30	132				
3	S43382	22	CODO 6 X 90° R.C. CED-STD	305	473	41	126				
4	S45459	30	CODO 6 X 90° R.C. CED-STD	337	484	37	109				
5	S22039	1	CODO 6 X 90° R.C. CED-STD	339	488	31	139				
6	S44855	7	CODO 6 X 90° R.C. CED-STD	277	470	37	108				
7	S45279	105	CODO 3 X 90° R.L. CED-XS	264	462	36	105				
8	S45663	48	CODO 2 X 45° CED-STD	309	496	34	114				
9	S42716	40	CODO 2 X 90° R.L. CED-XS	315	495	34	112				
10	S45663	200	CODO 2 X 90° R.L. CED-STD	309	496	34	114				
11	S45693	136	CODO 2 1/2 X 90° R.L. CED-STD	308	495	32	133				

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	S80268	80268	0.330	0.170	0.750	0.011	0.003	0.290	0.040	0.037	0.030	0.270	0.001	0.001
HF	S47235	47235	0.321	0.180	0.760	0.011	0.001	0.280	0.040	0.032	0.010	0.030	0.001	0.001
HF	S43382	43382	0.327	0.190	0.710	0.012	0.002	0.290	0.040	0.045	0.030	0.021	0.001	0.001
HF	S45459	45459	0.326	0.180	0.760	0.010	0.001	0.340	0.050	0.032	0.030	0.022	0.001	0.001
HF	S22039	22039	0.334	0.190	0.760	0.012	0.001	0.310	0.030	0.050	0.020	0.050	0.001	0.001
HF	S44855	44855	0.335	0.200	0.730	0.009	0.001	0.280	0.030	0.037	0.020	0.016	0.001	0.001
HF	S45279	45279	0.323	0.180	0.730	0.010	0.001	0.300	0.050	0.055	0.020	0.048	0.001	0.000
HF	S45663	45663	0.314	0.180	0.730	0.009	0.001	0.300	0.030	0.022	0.020	0.017	0.001	0.002
HF	S42716	42716	0.308	0.170	0.730	0.008	0.001	0.310	0.030	0.040	0.030	0.016	0.002	0.002
HF	S45663	45663	0.314	0.180	0.730	0.009	0.001	0.300	0.030	0.022	0.020	0.017	0.001	0.002
HF	S45693	45693	0.313	0.180	0.700	0.012	0.001	0.270	0.050	0.034	0.010	0.021	0.001	0.002

Certificamos que los resultados de los Analisis Quimicos y Pruebas Mecanicas son verdaderos o una copia fiel de los certificados enviados por el Fabricante y/o el proveedor de Materia Prima (Tuberia 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) cents conform to ASTM A106 Grade B N°
 330260 335656 301928 318410 152468 312234 31973
 321679 305331 321679 329514

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.

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.