



FLM-005-7  
**PROCARSA, S.A. DE C.V.**

**CERTIFICADO DE CALIDAD  
 DE PRUEBAS FISICAS-QUIMICAS**

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	TIQUOTA	NUMERO	PTM-46271-1-2001
CUSTOMER:		NUMBER	
PEDIDO CLIENTE / P.O.	6532	FECHA	MARZO 26, 2001
PEDIDO INTERNO / I.O.		DATE	
PARTIDA (S)			
ITEMS	XB1214		

TAMANO	14"	ESPESES DE PARED	0.438"	GRADO :	ASTM A53-B	PRESION HIDROSTATICA:	92 Kg/cm <sup>2</sup>	1310 PSI
SIZE:		WALL THICKNESS		GRADE :		HIDROSTATIC TEST:		

NUM. PROBE DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEAD %Zn	CHEMICAL ANALYSES PERCENT WEIGHT														
						C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N
16-13 Tc Ts	187101	66 141	75 275 75 438	30	0.87	0.103	0.768	0.022	0.010	0.021	-	-	0.012	-	0.051	0.0007	-	-	-	-
25-4 Tc Ts	287316	64 062	77 812 77 173	32	0.82	0.110	0.796	0.012	0.011	0.025	-	-	0.011	-	0.053	0.0006	-	-	-	-
6-1 Tc Ts	287317	70 000	76 955 75 870	38	0.92	0.099	0.820	0.014	0.013	0.024	-	-	0.010	-	0.051	0.0009	-	-	-	-

CERTIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO CON LOS REQUISITOS APLICABLES DE LA ESPECIFICACION:

WE CERTIFY THE PIPE ABOVE MENTIONED ACCOMPLISH AND HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SPECIFICATIONS:

ASTM

ING. FERNANDO OSORIO PEREZ  
 GERENTE DE ASEGURAMIENTO DE CALIDAD  
 QUALITY ASSURANCE MANAGER