



FLM-005-7

PROCARSA, S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	TUCOTA	NUMERO:	PTN-55618.21-2003
CUSTOMER:		NUMBER:	
PEDIDO CLIENTE /P.O.	10805	FECHA:	AGOSTO 19, 2003
PEDIDO INTERNO /I.O.		DATE:	
PARTIDA (S)	4447-10		
ITEMS			

METRO : 10 3/4" ESPESOR DE PARED : 0.250" GRADO : ASTM A53-B PRESION/HIDROSTATICA: 69 Kg/cm² 980 PSI

PRUEBAS DE TENSION

CHEMICAL ANALYSES PERCENT WEIGHT

DESCRIPCION	CONADA	LIMITE ELASTICO YIELD STRENGTH (F _{0.2})	ULTIMA TENSION TENSILE STRENGTH (F _U)	% ELONG. 2"	LEADIT Y _{0.75}	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
4-6 TC Ts	132192	53 225	69 700 76 462	35	0.76	0.167	1.12	0.013	0.007	0.001	0.002	0.003	0.197	0.025	0.045	0.0025	0.015	0.025	0.007	0.0055	
6-8 TC Ts	232135	57 301	70 323 78 042	30	0.81	0.168	1.11	0.011	0.007	0.002	0.002	0.003	0.196	0.021	0.034	0.0039	0.009	0.023	0.006	0.0051	

CONFIRMAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO
RIGADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO
A 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 A53-B -99

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