



PROCARSA, S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

DIAMETRO : 10 3/4"      ESPESOR DE PARED : 0.500"      GRADO :      ASTM A53-B      PRESION HIDROSTATICA: 137 kg/cm<sup>2</sup>      1950 PSI

**TENSILE TEST**

**CHEMICAL ANALYSIS PERCENT WEIGHT**

NUM. PROBEA DESCRIPCION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEBULT Y.E.T.S.	C	Mn	P	S	CB	V	TI	SI	Cu	Al	Ca	Cr	Ni	Mg	N	Ceq
6-8 Tc Ts	127862	61426	75005 80505	40	0.82	0.161	1.10	0.015	0.007	0.001	0.002	0.003	0.213	0.041	0.035	0.0035	0.028	0.035	0.007	0.0050	
10-7 Tc Ts	127863	56022	73363 78544	39	0.76	0.176	1.12	0.012	0.005	0.001	0.001	0.003	0.190	0.028	0.033	0.0028	0.018	0.027	0.005	0.0079	

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 A53-B -99

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

CLIENTE: TUCOYA  
CUSTOMER: PEDRO CORDERO / P.O. 11484  
PEDRO INTERNO / LTO.  
PARTIDA (S): 41792-20  
FECHA: FEBRERO 06, 2004  
DATE

ANALISIS QUIMICO % EN PESO  
HIDROSTATICO TEST: 137 kg/cm<sup>2</sup>