

PROCARSA, S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	TUCOTA	NUMERO	PJM-51912-2002
CLIENTOMER:		NUMBER	
pedido cliente / P.O.	8568	FECHA	ABRIL 29, 2002
pedido interno / I.O.		DATE	
partida (s)			
ITEMS	32539-40		

DIAMETRO: 10 3/4" ESPESOR DE PARED: 0.307" GRADO: ASTM A53-B PRESION HIDROSTATICA: 1200 PSI

PRUEBAS DE TENSION

TENSILE TEST


CHEMICAL ANALYSES PERCENT WEIGHT

NUM. PROBE DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 1"	LEAD % SPT S	C	Mn	P	S	Ch	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
7-18 Tc Ts	121058	54 791	80 145 73 465	36	0.68	0.161	1.12	0.013	0.004	0.001	0.003	0.004	0.210	0.013	0.037	0.0024	0.018	0.033	0.004	0.0048	
2-21 Tc Ts	121059	58 862	70 206 77 369	37	0.84	0.160	1.10	0.016	0.006	0.001	0.003	0.004	0.233	0.014	0.045	0.0029	0.021	0.025	0.003	0.0060	
16-10 Tc Ts	221055	54 048	70 362 78 281	35	0.69	0.180	1.11	0.016	0.006	0.001	0.003	0.003	0.199	0.026	0.037	0.0038	0.032	0.032	0.007	0.0039	

CERTIFICAMOS QUE LA TUBERIA AGUI 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


INES-FERNANDO OSORIO PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER