



FLM-965-7
 PROCARSA, S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE: TUCOTA
 CUSTOMER:

NUMERO PTM-54416-1-2003
 NUMBER

FEDECO CLIENTE / P.O.

FEDECO BATENO / I.O. 10041

PARTIDA (S)

ITEM(S)

FECHA MARZO 26, 2003
 DATE

DIAMETRO: 13 3/4"
 WALL THICKNESS

PERSON DE PARED

0.375"

GRADO:

ASTM A53-B

PERSON HIDROSTATICA:

87 Kg/cm²

1240 PSI

**PRUEBAS DE TENSION
 TENSILE TEST**

CHEMICAL ANALYSIS PERCENT WEIGHT

ITEM	GRADO	VALOR REALIZADO TENSILE STRENGTH (KAL)	VALOR NOMINAL TENSILE STRENGTH (KAL)	% EXTENSION ELONG.	VALOR NOMINAL EXTENSION (%)	GRADO	VALOR REALIZADO TENSILE STRENGTH (KAL)	VALOR NOMINAL TENSILE STRENGTH (KAL)	% EXTENSION ELONG.	VALOR NOMINAL EXTENSION (%)	SI	Cu	Al	Ca	Cr	Ni	Mn	N	Ceq				
6-3 Tc	TS	127031	50 036	75 526	35	0.66	0.180	1.15	0.020	0.006	0.006	0.006	0.006	0.006	0.006	0.188	0.014	0.037	0.0028	0.020	0.037	0.012	0.0047
7-4 Tc	TS	127032	58 287	76 896	37	0.76	0.170	1.09	0.016	0.008	0.002	0.004	0.004	0.004	0.200	0.014	0.042	0.0028	0.020	0.035	0.011	0.0043	
4-6 Tc	TS	127037	55 961	74 602	36	0.75	0.173	1.10	0.014	0.006	0.006	0.006	0.006	0.006	0.181	0.016	0.037	0.0026	0.021	0.022	0.013	0.0060	

CERTIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO
 EXAMINADA, 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