



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	PTM-54415-1-2003
PEDIDO CLIENTE / P.O.	10040	FECHA	MARZO 26, 2003
PEDIDO INTERNO / I.O.		DATE	
PARTIDA (B)			
ITEMS	40687-50		

DIAMETRO: 13.34" ESPESOR DE PARED: 0.375" GRADO: ASTM A53-B
 WALL THICKNESS TENSILE TEST GRADE: CHEMICAL ANALYSIS PERCENT WEIGHT

LABORATORIO	LA TUBERIA	LA TUBERIA	% RESIDUO	GRADO	GRADO	SI	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq						
TEST CENTER	WALL THICKNESS	TENSILE STRENGTH	WALL THICKNESS	GRADE	GRADE	PHYSICALS	CHEMICAL	CHEMICAL	CHEMICAL	CHEMICAL	CHEMICAL	CHEMICAL	CHEMICAL	CHEMICAL						
6-3 TC TS	127031	50 038	75 528 76 792	35	0.68	0.180	1.15	0.020	0.008	0.002	0.005	0.003	0.188	0.014	0.037	0.012	0.0047			
7-4 TC TS	127032	58 287	76 896 82 051	37	0.76	0.170	1.09	0.016	0.008	0.002	0.004	0.004	0.200	0.014	0.042	0.020	0.035	0.011	0.0043	
4-5 TC TS	127037	55 951	74 802 75 622	36	0.75	0.173	1.10	0.014	0.008	0.003	0.005	0.004	0.181	0.016	0.037	0.026	0.021	0.022	0.013	0.0060

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

WE CERTIFY THE PWS 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