

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-55540-1-2003
CUSTOMER:		NUMBER	
PEDIDO CLIENTE/P.O.	10802	FECHA	AGOSTO 07, 2003
PEDIDO INTERNO/I.O.		DATE	
PARTIDA (S)	40687-40		

AMETRO: 12 3/4" ESPESOR DE PARED: 0.330" GRADO: ASTM A53-B PRESION HIDROSTATICA: 77 Kg/cm² 1090 PSI

PRUEBAS DE TENSION


CHEMICAL ANALYSES PERCENT WEIGHT

DESCRIPCION	COLLAMA HEAT	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)		% ELONG. 2"	LEALT YIELD STRENGTH	CHEMICAL ANALYSES PERCENT WEIGHT															
			TENSILE STRENGTH (PSI)	TENSILE STRENGTH (PSI)			C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
10-18 Tc	127027	60 834	73 676	78 917	37	0.83	0.180	1.14	0.022	0.007	0.001	0.002	0.003	0.159	0.017	0.039	0.0022	0.017	0.029	0.004	0.0022	
1-4 Tc	127029	51 282	69 744	77 588	37	0.74	0.165	1.11	0.019	0.007	0.003	0.004	0.004	0.202	0.012	0.038	0.0023	0.019	0.023	0.012	0.0041	
1-4 Tc																						

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 OCHOA PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER