



PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICAL-CHEMICAL

CLIENTE: TUCOTA
CUSTOMER:

NUMERO: PTM-54330-2003
NUMBER

PEDIDO CLIENTE/P.O. 10040
PARTIDA(S)

FECHA: MARZO 13, 2003
DATE

DIAMETRO: 10 3/4" ESPESOR DE PARED WALL THICKNESS

0.250"

GRADO: ASTM A53-B

ASTM A53-B

ITEMS 37578-10

PRESION HIDROSTATICA: 69 Kg/cm²

980 PSI

PRUEBAS DE TENSION TENSILE TEST


CHEMICAL ANALYSES PERCENT WEIGHT

NUM/PROBETA DESCRIPTION	COLADA REAT	LIMITE ELASTICO YIELD STRENGTH (KSI)	ULTIMA TENSION TENSILE STRENGTH (KSI)	% ELONG. %	LEWY Y ST'S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq.
7-24 TC TS	224557	58 983	70 780	38	0.83	0.180	1.08	0.019	0.008	0.003	0.004	0.003	0.199	0.036	0.044	0.0036	0.020	0.027	0.009	0.0055	
8-27 TC TS	224558	57 784	74 870	36	0.79	0.179	1.08	0.016	0.008	0.002	0.003	0.003	0.201	0.030	0.036	0.0025	0.023	0.024	0.011	0.0042	
5-25 TC TS	224559	57 373	77 693	35	0.77	0.180	1.13	0.020	0.007	0.003	0.004	0.003	0.220	0.020	0.035	0.0024	0.032	0.026	0.011	0.0082	
19-16 TC TS	224560	55 941	79 960	38	0.84	0.180	1.08	0.014	0.007	0.003	0.003	0.003	0.195	0.020	0.033	0.0030	0.023	0.026	0.011	0.0076	
14-14 TC TS	224561	55 275	88 435	32	0.81	0.180	1.09	0.017	0.004	0.002	0.004	0.003	0.185	0.017	0.031	0.0025	0.018	0.022	0.010	0.0047	

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

ASTM A53-B-99

WE CERTIFY THE PIPE ABOVE MENTIONED ACCOMPLISH AND HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SPECIFICATIONS:


ROBERTO OSORIO PEREZ
GERENTE DE APROBAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER