



FTM-005-1

PROCARSA, S.A. DE C.V.
CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	TUCOTA	NUMERO	FTM-53408-2002
CUSTOMER:		NUMBER	
PEDIDO CLIENTE / P.O.	9995	FECHA	NOVIEMBRE 02, 2002
PEDIDO INTERNO / I.O.		DATE	
PARTIDA (S)	3027440 / X0095-1		
ITEMS			

DIAMETRO : 16" ESPESOR DE PARED : 0.500" GRADO : ASTM A53-B PRESION HIDROSTATICA: 92 Kg/cm² 1310 PSI

WALL THICKNESS

TENSILE TEST


CHEMICAL ANALYSIS PERCENT WEIGHT

IDENTIFICACION	COLANA	WAT	LIMITE ELASTICO	YIELD STRENGTH	ULTIMA TENSION	TENSILE STRENGTH	% ELONG.	ELONG.	LEAD	C	Mn	P	S	Cb	V	TI	SI	Cu	Al	Ca	Cr	Ni	Mo	N	Coq
DESCRIPTION	WEAT		(PSI)	(PSI)	(PSI)	(PSI)	%	INCHES	INCHES																
5-7B TC	225650		59 704		71 243		35	0.84	0.163	1.11	0.017	0.007	0.003	0.004	0.004	0.004	0.181	0.012	0.045	0.0011	0.016	0.022	0.015	0.0046	
4-5 TC	225651		60 682		71 347		37	0.85	0.190	1.12	0.024	0.008	0.004	0.004	0.004	0.003	0.199	0.036	0.045	0.0018	0.065	0.051	0.026	0.0053	
6-5 TC	270987		54 218		77 336		45	0.79	0.078	0.82	0.012	0.004	0.021	0.004	0.010	0.010	0.220	0.290	0.033	0.0013	0.019	0.020	0.006	0.0055	
92-8 TC	270994		80 479		68 981		43	0.84	0.097	0.80	0.017	0.005	0.023	0.005	0.013	0.013	0.200	0.270	0.033	0.0030	0.010	0.020	0.005	0.0060	
					72 155																				
					75 820																				

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 OSORIO PEREZ
 GERENTE DE ASEGURAMIENTO DE CALIDAD
 QUALITY ASSURANCE MANAGER