



FLM-005-7
PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE: TRICOTA

CUSTOMER:

PEDIDO CLIENTE / P.N.:

PARTIDA (S)

ITEMS

NUMERO PTM-45464.5-2001

NUMBER

FECHA

DATE

ENERO 27, 2001

TAMANO: 10 3/4" ESPESOR DE PARED: 0.250" GRADO: ASTM A53-B PRESION HIDROSTATICA: 69 Kg/cm² 980 PSI
 SIZE: 10 3/4" WALL THICKNESS: 0.250" GRADE: ASTM A53-B HYDROSTATIC TEST: 69 Kg/cm² 980 PSI

PRUEBAS DE TENSION
TENSILE TEST

ANALISIS QUIMICO % EN PESO
CHEMICAL ANALYSIS PERCENT WEIGHT

NUM. PROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG. ELONG.	ELONG. INCHES	C	Mn	P	S	Ch	V	TI	SI	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
21-6 Tc Ts	107948	56 284	71 038 74 836	38	0.79	0.136	0.92	0.010	0.008	-	-	-	0.174	0.015	0.042	0.0032	0.021	0.033	-	0.0049	
13-1 Tc Ts	107950	54 150	70 792 71 260	42	0.76	0.150	0.90	0.020	0.006	-	-	-	0.200	0.018	0.045	0.0020	0.022	0.037	-	0.0055	
29-1 Tc Ts	107951	54 637	70 285 73 318	43	0.78	0.156	0.94	0.020	0.006	-	-	-	0.199	0.016	0.039	0.0021	0.018	0.029	-	0.0045	
32-7 Tc Ts	107954	55 447	70 939 73 358	39	0.78	0.160	0.89	0.018	0.008	-	-	-	0.242	0.016	0.031	0.0048	0.018	0.031	-	0.0071	
54-11 Tc Ts	107961	57 921	73 465 71 436	36	0.81	0.158	0.93	0.020	0.008	-	-	-	0.196	0.016	0.040	0.0032	0.019	0.027	-	0.0052	
37-15 Tc Ts	207892	55 589	70 503 72 978	43	0.79	0.144	0.89	0.017	0.007	-	-	-	0.241	0.012	0.041	0.0043	0.018	0.025	-	0.0071	
44-4 Tc Ts	207893	54 298	69 967 71 078	34	0.78	0.150	0.89	0.014	0.007	-	-	-	0.250	0.017	0.045	0.0049	0.024	0.035	-	0.0068	

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

ING. FERNANDO OSORIO PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER