



FLM-005-7

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

DIAMETRO: 10 3/4" ESPESOR DE PARED: 0.250" GRADO: ASTM A53-B PRESION HIDROSTATICA: 980 PSI

WALL THICKNESS: 0.250" GRADE: ASTM A53-B ANALISIS QUIMICO % EN PESO

PRUEBAS DE TENSION TENSILE TEST CHEMICAL ANALYSIS PERCENT WEIGHT

NUMERO DE TUBERIA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEU/T Y.F.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ccq
5-11 Tc TS	121057	50 789	67 198 74 359	37	0.76	0.171	1.11	0.017	0.006	0.001	0.003	0.004	0.218	0.013	0.045	0.0031	0.019	0.026	0.003	0.0045	
17-16 Tc TS	221210	50 886	68 831 74 574	38	0.74	0.170	1.08	0.019	0.008	0.001	0.004	0.004	0.180	0.016	0.041	0.0024	0.017	0.023	0.004	0.0052	
14-18 Tc TS	221211	52 157	67 403 74 225	38	0.77	0.161	1.08	0.012	0.005	0.001	0.002	0.004	0.220	0.013	0.038	0.0030	0.010	0.023	0.004	0.0059	

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

ING. FERRNANDO OSORIO PREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER

CLIENTE: TUCOTA NUMERO: P1M-519244-2002
CUSTOMER: NUMBER:
PEDIDO CLIENTE/P.O.: 8571
PEDIDO INTERNO/I.O.: 8571
PARTIDA(S) 32539-30
FECHA DATE: MAYO 02, 2002