



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: 0.219" GRADO: ASTM A53-B

PRUEBAS DE TENSION
TENSILE TEST

ANALISIS QUIMICO % EN PESO
CHEMICAL ANALYSES PERCENT WEIGHT

NUM. PROBETA DESCRIPCION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. %	LENGT INCHES	C	Min	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
5-23 TC TS	115093	50 989	65 641 71 698	38	0.78	0.125	0.92	0.013	0.005	-	-	-	0.179	0.022	0.041	0.0044	0.017	0.031	-	-	-
10-14 TC TS	115094	49 142	63 561 68 624	38	0.77	0.140	0.91	0.014	0.007	-	-	-	0.171	0.023	0.030	0.0040	0.020	0.028	-	-	-
4-26 TC TS	115136	55 650	66 780 69 577	37	0.83	0.150	0.94	0.018	0.007	-	-	-	0.170	0.018	0.038	0.0030	0.018	0.021	-	-	-
12-14 TC TS	115139	50 019	63 377 69 418	40	0.79	0.139	0.88	0.016	0.006	-	-	-	0.159	0.022	0.041	0.0023	0.018	0.023	-	-	-
2-1 TC TS	212527	49 804	66 138 74 627	34	0.75	0.146	0.88	0.018	0.010	-	-	-	0.161	0.023	0.038	0.0021	0.016	0.027	-	-	-

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


RIG-FERNANDO OSORIO-PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER

CLIENTE: TUCOTA
CUSTOMER:
PEDIDO CLIENTE N.O. 8062 / 8075
PEDIDO INTERNO / I.O.
PARTIDA(S) 25343-70
PRESION HIDROSTATICA: 60 Kg/cm² 860 PSI
HIDROSTATIC TEST:
ITEMS
NUMERO NUMBER P.T.M-50833.4-2002
FECHA DATE ENERO 17, 2002