



PIM-065-7

PROCARSA S.A. DE C.V.

CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

DIAMETRO: 24" ESPESOR DE PARED: 0.250" GRADO: ASTM A53-B

PRUEBAS DE TENSION

TENSILE TEST

ANALISIS QUIMICO % EN PESO

PRESSION HIDROSTATICA: 31 kg/cm² 440 PSI

PRESSION HIDROSTATICA: YC-1-00

PRESSION HIDROSTATICA: CREMICAL ANALYSIS PERCENT WEIGHT

NUM. PROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. ELONGATION	LEAIT V.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
102-11 Tc Ts	164226	53 121	67 792	40	0.78	0.060	0.67	0.013	0.010	0.011	0.011	-	0.221	0.090	0.042	-	0.0100	0.020	-	-	-
61-2 Tc Ts	269109	59 799	70 873	37	0.84	0.070	0.68	0.013	0.009	0.012	-	-	0.245	0.050	0.038	-	0.0100	0.010	-	-	-
125-5 Tc Ts	269143	56 703	72 869	37	0.78	0.080	0.72	0.013	0.006	0.014	-	-	0.219	0.070	0.036	-	0.0200	0.020	-	-	-
101-13 Tc Ts	269151	60 633	78 997	36	0.86	0.070	0.67	0.009	0.007	0.013	-	-	0.258	0.060	0.032	-	0.0100	0.020	-	-	-

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

CLIENTE: TUCOYA
CUSTOMER: TUCOYA
PEDIDO CLIENTE / P.O. 8076
PEDIDO INTERNO / I.O. 8076
PARTIDAS (S)
ITEMS

NUMERO NUMBER PIM-50783-1-2002
FECHA DATE ENERO 14, 2002