

PROCARSA, S.A. DE C.V.

**CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS**

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

TECOTA

NUMERO

PIV-5254B-2002

CUSTOMER:

CLIENTE / P.O.

9157

INTERNAL ORDER / I.O.

32945-20

ITEMS

PRESSION HIDROSTATICA: 51 Kg/cm² 720 PSI

ANALISIS QUIMICO % EN PESO

CHEMICAL ANALYSIS PERCENT WEIGHT

FECHA

JULIO 19, 2002

DATE

DIAMETRO: 12 3/4"

WALL THICKNESS

0.219"

GRADE:

ASTM A33-B

PRUEBAS DE TENSION


TENSILE TEST

NUM. PROBEA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG. ELONGATION	LEFULT YIELD	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Ni	Mo	N	Ceq
8-3 Tc Ts	121103	54 584	70 180 72 943	37	0.78	0.157	0.81	0.014	0.009	-	-	-	0.144	0.009	0.035	0.0006	0.016	0.030	-	-
4-17 Tc Ts	121109	55 819	70 905 73 996	40	0.79	0.126	0.84	0.020	0.009	-	-	-	0.146	0.013	0.044	0.0006	0.019	0.025	-	-

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