

PLM-005-7

PROCARSA, S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE: TUCOTA
CUSTOMER:
PEDIDO CLIENTE / P.O. 9022
PEDIDO INTERNO / I.O.
PARTIDA (S)
ITEMS 34592-30

NUMERO PTM-52202-2002
NUMBER
FECHA JUNIO 05, 2002
DATE

DIAMETRO : 16"
ESPESOR DE PARED WALL THICKNESS 0.500"

GRADO :
GRADE : ASTM A53-B


PRESION HIDROSTATICA: 92 kg/cm²
1310 PSI
ANALISIS QUIMICO % EN PESO
CHEMICAL ANALYSES PERCENT WEIGHT
HIDROSTATIC TEST:

NUM. PROBETA DESCRIPTION	COLADA HEAT	TENSILE TEST		% ELONG. 1"	LEU.T V.97.5	CHEMICAL ANALYSES PERCENT WEIGHT													
		LIMITE ELASTICO YIELD STRENGTH (σ _{SL})	ULTIMA TENSION TENSILE STRENGTH (σ _{SL})			C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo
2-6 Tc Ts	122271	56 945	68 470 75 442	41	0.83	0.164	1.11	0.015	0.007	0.003	0.004	0.219	0.013	0.041	0.0027	0.015	0.024	0.009	0.0039
7-5 Tc Ts	222099	53 669	68 470 75 442	41	0.83	0.164	1.11	0.014	0.007	0.003	0.003	0.204	0.012	0.037	0.0028	0.017	0.026	0.009	0.0032
13-11 Tc Ts	222104	52 259	69 587 76 920	42	0.75	0.158	1.10	0.013	0.007	0.003	0.004	0.226	0.026	0.045	0.0029	0.021	0.037	0.013	0.0047

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-95 ASEGURAMIENTO DE CALIDAD
 QUALITY ASSURANCE MANAGER