

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. 9157
PEDIDO INTERNO / I.O.
PARTIDA(S)
ITEMS

NUMERO PTM-52506-1-2002
NUMBER
FECHA JULIO 12, 2002
DATE

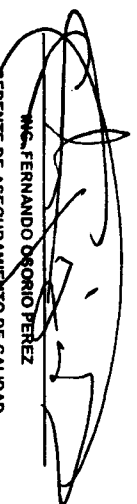
DIAMETRO: 20" ESPESOR DE PARED 0.375" GRADO: ASTM A53-B PRESION HIDROSTATICA: 56 Kg/cm² 790 PSI
WALL THICKNESS TENSILE TEST

NOMENCLATURA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (F _{0.2})	ULTIMA TENSION TENSILE STRENGTH (F _U)	% ELONG. 3"	DILAT Y/TS	ANALISIS QUIMICO % EN PESO CHEMICAL ANALYSES PERCENT WEIGHT														
						C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N
3-11 TC TS	222300	60 966	74 821 80 653	39	0.81	0.106	1.16	0.016	0.005	0.023	0.002	-	0.124	0.013	0.041	0.0038	0.009	0.022	0.003	0.0052
4-10 TC TS	222301	56 733	71 614 78 006	36	0.79	0.098	1.08	0.017	0.005	0.022	0.004	-	0.129	0.013	0.036	0.0022	0.017	0.021	0.010	0.0052

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


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