



PROCARSA, S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

380740

TRO : TER : 18"

ESPESOR DE PARED  
WALL THICKNESS

0.250"

GRADO :  
GRADE :

ASTM A53-B

PRESSION HIDROSTATICA:  
HIDROSTATIC TEST:

41 Kg/cm<sup>2</sup>

580 PSI

CLIENTE: TUCOTA

CUSTOMER:

PEDIDO CLIENTE /P.O.

PEDIDO INTERNO /I.O.

PARTIDA (S)

ITEMS

11144 / 11156

41502-10

NUMERO  
NUMBER

FECHA  
DATE

OC

**PRUEBAS DE TENSION  
TENSILE TEST**

**CHEMICAL ANALYSIS PERCENT WEIGHT**

GRUPO	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEU/T Y.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	I	
1-12 TC	127513	47 026	69 986	37	0.67	0.175	1.10	0.022	0.008	0.002	0.005	0.004	0.194	0.029	0.040	0.0012	0.026	0.030	0	
TS			74 342																	
3-10 TC	127514	50 880	72 882	35	0.70	0.180	1.08	0.021	0.008	0.001	0.004	0.004	0.203	0.023	0.035	0.0030	0.021	0.032	0	
TS			79 123																	
3-10 TC	127515	47 333	71 676	36	0.66	0.175	1.07	0.016	0.007	0.002	0.004	0.003	0.190	0.011	0.045	0.0028	0.019	0.019	0	
TS			77 091																	

IFICAMOS QUE LA TUBERIA AGUI DESCRITA CUMPLE Y HA SIDO  
ICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO  
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 A53-B -99

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