



FLM-005-7  
**PROCARSA, S.A. DE C.V.**

380760

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

DIAMETRO : 18"  
 DIAMETER : 18"

ESPESOR DE PARED  
 WALL THICKNESS

GRADO :  
 GRADE :

ASTM A53-B

PREISION HIDROSTATICA:  
 HIDROSTATIC TEST:

62 Kg/cm<sup>2</sup>

880 PSI

CLIENTE: TUCOTA  
 CUSTOMER:

NUMERO  
 NUMBER

PEDIDO CLIENTE/P.O.  
 PEDIDO INTERNO/IO.

11144

PARTIDA(S)  
 ITEMS

36044-10 / 41502-20

FECHA  
 DATE

**TENSILE TEST**

**CHEMICAL ANALYSES PERCENT WEIGHT**

NUM. PROBE TA DESCRIPTION	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
9-3 TC TS	223403	50 167	72 092 77 040	40	0.70	0.176	1.12	0.019	0.006	0.004	0.005	0.004	0.231	0.013	0.034	0.0033	0.015	0.024
18-1 TC TS	227960	52 207	72 010 77 635	38	0.73	0.166	1.08	0.018	0.008	0.002	0.004	0.003	0.212	0.039	0.045	0.0036	0.022	0.029
23-8 TC TS	227962	52 605	71 114 78 620	37	0.74	0.159	1.14	0.016	0.008	0.003	0.004	0.003	0.179	0.020	0.038	0.0026	0.025	0.042

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 A53-B -99

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