



FLAI-005-7

PROCARSA, S.A. DE C.V.

CERTIFI DO DE CALIDAD  
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CUSTOMER:	TUCOTA	CHEMICAL ANALYSIS PERCENT WEIGHT
PEDIDO CLIENTE/P.O.	8504	
PEDIDO INTERNO/ID.		
PARTEIDA(S)	32539-50	
ITEMS		
CLIENTE:	TUCOTA	
NUMBER		PTM-51836-1-2002
FECHA		
DATE	ABRIL 20, 2002	

DIAMETRO : 10 3/4" ESPESOR DE PARED 0.365" WALL THICKNESS

GRADO : API 5L X-42

PRESSION HIDROSTATICA: 170 Kg/cm<sup>2</sup> 2420 PSI

PRUEBAS DE TENSION TENSILE TEST

ANALISIS QUIMICO % EN PESO CHEMICAL ANALYSIS PERCENT WEIGHT

NUM PROBeta DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG. 2"	LEULT Y.8FT.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
15-19 Tc TS	121059	58 181	70 909 77 977	36	0.82	0.160	1.10	0.016	0.006	0.001	0.003	0.004	0.233	0.014	0.045	0.0029	0.021	0.025	0.003	0.0060	

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:

API SPECIFICATION 5L  
FORTY-SECOND EDITION, JANUARY, 2000  
EFFECTIVE DATE: JULY 1, 2000

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