



PROCARSA, S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

200803

CLIENTE:	TUCOTA	NUMERO	
CUSTOMER:		NUMBER	
PEDIDO CLIENTE /P.O.	11073	FECHA	
PEDIDO INTERNO /I.O.		DATE	
PARTIDA(S)			
ITEMS	40687-40		

DIAMETRO : 12 3/4" ESPESOR DE PARED WALL THICKNESS 0.330" GRADO : API 5L X-42 PRESION HIDROSTATICA: 130 Kg/cm² 1850 PSI

PRUEBAS DE TENSION TENSILE TEST ANALISIS QUIMICO % EN PESO 1850 PSI

NUM. PROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEU/T YST.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni
1-4 Tc	127029	51 282	69 744	37	0.74	0.165	1.11	0.019	0.007	0.003	0.004	0.004	0.202	0.012	0.038	0.0023	0.019	0.023
TS			77 588															
13-10 Tc	127032	60 305	75 811	32	0.80	0.170	1.09	0.016	0.008	0.002	0.004	0.004	0.200	0.014	0.042	0.0028	0.020	0.035
TS			78 979															

CERTIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO CON LOS REQUISITOS APLICABLES DE LA ESPECIFICACION:

API SPECIFICATION 5L WE CERTIFY THE PIPE ABOVE MENTIONED ACCOMPLISH AND HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SPECIFICATIONS:

FORTY-SECOND EDITION, JANUARY, 2000 EFFECTIVE DATE : JULY 1, 2000 ING. FERNANDO ROSARIO PEREZ GERENTE DE ASISTENCIA TECNICA