



PROCARSA, S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

DIAMETRO: 10 3/4" ESPESOR DE PARED WALL THICKNESS: 0.365" GRADO: API SL X-42 PRESION HIDROSTATICA: 170 Kg/cm² 2420 PSI

CLIENTE: TUCOTA	NUMERO: PTM-51816-1-2002
CUSTOMER:	NUMBER
PEDIDO CLIENTE/P.O. 8564	FECHA: ABRIL 20, 2002
PEDIDO INTERNO / I.O. PARTIDA(S) 32539-50	DATE

PRUEBAS DE TENSION TENSILE TEST

NUM/PROBETA DESCRIPTION	COLADA BEAT	LIMITS ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEAD Y.975	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	

CHEMICAL ANALYSIS PERCENT WEIGHT

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 SL
FORTY-SECOND EDITION, JANUARY, 2000
EFFECTIVE DATE: JULY 1, 2000

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