



FLM-005-7

PROCARSA, S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

DIAMETRO : 18" ESPESOR DE PARED : 0.250" GRADO : API 5L X-42 PRESION HIDROSTATICA : 70 kg/cm² 990 PSI
 DIAMETER : 18" WALL THICKNESS : 0.250" GRADE : API 5L X-42 HYDROSTATIC TEST : 70 kg/cm² 990 PSI

CLIENTE:	TUCOTA	NUMERO:	P. N. 5233-2002
CUSTOMER:		NUMBER:	
pedido cliente / P.O.	9024	FECHA:	JUNIO 07, 2002
pedido interno / I.O.		DATE:	
PARTIDA (S)	20182-10		
ITEMS			

NUMPROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. % ELONG.	LEBULT Y.S.F.S	ANALISIS QUIMICO % EN PESO CHEMICAL ANALYSIS PERCENT WEIGHT														
						C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N
6-15 TC TS	210823	43 782	64 967 70 052	39	0.67	0.136	0.92	0.015	0.006	-	-	0.197	0.011	0.050	0.0038	0.015	0.027	-	0.0059	

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 OSORIO PEREZ
 GERENTE DE ASEGURAMIENTO DE CALIDAD
 QUALITY ASSURANCE MANAGER