



FIN-4005-7

PROCARSA, S.A. DE C.V.
CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	TIGOTA	NUMERO:	FIN-49422-4-2001
CUSTOMER:		NUMBER:	
PERDIDO CLIENTE /P.O.:	8001	FECHA:	OCTUBRE 24, 2001
PERDIDO INTERNO /I.O.:		DATE:	
PARTIDA(S)			
ITEMS	26492-20		

TAMANO: 10 3/4" ESPESSOR DE PARED: 0.365" GRADO: API 5L X-42 PRESSION HIDROSTATICA: 170 Kg/cm² 2420 PSI
 SIZE: WALL THICKNESS: TENSILE TEST: CHEMICAL ANALYSIS PERCENT WEIGHT

NUM. PROBEA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (KSI)	ULTIMA TENSION TENSILE STRENGTH (KSI)	% ELONG. %	DELTA Y.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
8-11 Tc TS	115942	54 239	72 810 78 570	35	0.74	0.180	1.14	0.011	0.005	0.001	0.001	0.003	0.287	0.021	0.040	0.0018	0.011	0.021	0.003	0.0073	
4-15 Tc TS	115945	52 833	69 847 75 838	36	0.76	0.180	1.11	0.013	0.006	0.001	0.001	0.003	0.226	0.020	0.040	0.0017	0.014	0.022	0.003	0.0069	

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

INES FERRNANDO OSORNO PEREZ
 GERENTE DE ASEGURAMIENTO DE CALIDAD
 QUALITY ASSURANCE MANAGER