

FLM-005-7
PROCARSA, S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE / CUSTOMER:	TRCOTA	NUMERO / NUMBER:	PTM-4945-2-2001
PEDIDO CLIENTE / P.O.	7752	FECHA / DATE:	OCTUBRE 25, 2001
PEDIDO INTERNO / I.O.			
PARTIDA (S) / ITEMS:	23300-20 / 25087-20		


TAMANO / SIZE: 16" ESPESOR DE PARED / WALL THICKNESS: 0.375" GRADO: ASTM A53-B PRESSION HIDROSTATICA: 69 Kg/cm² 980 PSI

NUM/PROBETA DESCRIPTION	COLADA HEAT	TENSILE TEST		CHEMICAL ANALYSES PERCENT WEIGHT															
		LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
16-4 Tc TS	213237	48 806	67 935 69 671	44	0.72	0.137	0.90	0.013	0.006	-	-	0.169	0.013	0.037	0.0019	0.019	0.038	-	-
129-6 Tc TS	214640	54 975	63 987 71 926	40	0.86	0.121	0.94	0.011	0.005	-	-	0.188	0.026	0.037	0.0017	0.014	0.023	-	-

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:

ASTM


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