



FLM-005-7

PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	TIPOTA	NUMERO	PTM-46265-70-2001
CUSTOMER:		NUMBER	
PELIDO CLIENTE / P.O.		DATE	MARZO 26, 2001
PELIDO INTERNO / I.O.	6538		
PARTIDA(S)	21339-20		
ITEMS			

TAMAÑO: 6.58" ESPESOR DE PARED: 0.250" GRADO: ASTM A53-B PRESION HIDROSTATICA: 111 Kg/cm² 1380 PSI

SIZE: 6.58" WALL THICKNESS: 0.250" GRADE: ASTM A53-B HYDROSTATIC TEST: 111 Kg/cm² 1380 PSI

NUMERO DE IDENTIFICACION	COLADA	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LIMITE YIELD	ANALISIS QUIMICO: % EN PESO														
						C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N
3A-16 Lc	111528	56 482	68 330	38	0.83	0.136	0.95	0.017	0.007	-	-	-	0.223	0.023	0.050	0.0029	0.020	0.028	-	0.0070
16B-27 Lc	211209	61 152	73 382	36	0.83	0.140	0.90	0.015	0.007	-	-	-	0.188	0.013	0.030	0.0027	0.017	0.022	-	0.0057

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 OSORIO PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER