



FLM-005-7

PROCARSA, S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICAL-CHEMICAL

CLIENTE:	TUCOIA	NUMERO:	FLM-09089-1-2001
CUSTOMER:		NUMBER:	
PERDIDO CLIENTE / P.O.		FECHA:	SEPTIEMBRE 28, 2001
PERDIDO INTERNO / I.O.		DATE:	
PARTIDA (S)	10128-10		
ITEMS			

TAMANO: 18" ESPESOR DE PARED: 0.250" GRADO: ASTM A53-B
 SIZE: 18" WALL THICKNESS: 0.250" GRADE: ASTM A53-B

TENSILE TEST

CHEMICAL ANALYSIS PERCENT WEIGHT

NUM/PROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEUO T Y.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
36-6 TC TS	203899	53 735	70 162	38	0.77	0.142	0.92	0.015	0.005	--	--	--	0.190	0.016	0.038	0.0023	0.035	0.036	--	0.0066	
32-12 TC TS	203901	50 850	73 473	38	0.76	0.120	0.91	0.015	0.008	--	--	--	0.150	0.018	0.050	0.0022	0.017	0.033	--	0.0055	
30-1 TC TS	203902	46 301	69 574	37	0.69	0.126	0.89	0.016	0.007	--	--	--	0.150	0.015	0.046	0.0028	0.019	0.029	--	0.0059	
7-7 TC TS	203903	48 861	69 161	39	0.71	0.135	0.93	0.015	0.006	--	--	--	0.179	0.023	0.046	0.0028	0.017	0.026	--	0.0063	
			70 503																		

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 PEREZ
 GERENTE DE ASESURAMIENTO DE CALIDAD
 QUALITY ASSURANCE MANAGER