

FLM-005-7

PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD
DE PRUEBAS FÍSICAS-QUÍMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	TUCOTA	NUMERO:	PTM-49449.50-2001
CUSTOMER:		NUMBER:	
PELIDO CLIENTE / P.O.		FECHA:	OCTUBRE 25 2001
PELIDO INTERNO / I.O.	7747	DATE:	
PARTIDA(S)	26527-20		
ITEMS			

TAMAÑO: 14" ESPESOR DE PARED: 0.250" GRADO: ASTM A53-B PRESION HIDROSTATICA: 750 PSI

WALL THICKNESS: 0.250" GRADE: ASTM A53-B CHEMICAL ANALYSIS PERCENT WEIGHT

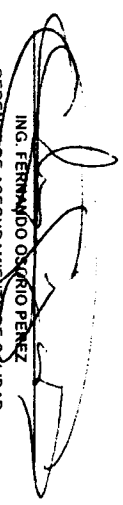
TENSILE TEST

NUMERO DE PRUEBA / DESCRIPTION	COLADA / HEAT	LIMITE ELASTICO / YIELD STRENGTH (P.S.I.)	ULTIMA TENSION / TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEWIT / V.S.T.S	C	Mn	P	S	Cb	V	Ti	SI	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
18-12 TC TS	116145	52 614	69 229	35	0.76	0.162	1.15	0.013	0.005	0.001	0.002	0.002	0.244	0.018	0.040	0.0030	0.020	0.019	0.002	0.0048	
3-13 TC TS	116146	53 936	74 344	35	0.73	0.170	1.13	0.014	0.004	0.001	0.001	0.003	0.230	0.022	0.039	0.0019	0.017	0.026	0.002	0.0057	
2-2 TC TS	215930	55 667	76 458	36	0.79	0.167	1.11	0.014	0.006	0.001	0.003	0.003	0.215	0.020	0.033	0.0029	0.020	0.022	0.003	0.0070	
27-4 TC TS	215931	56 411	72 874	36	0.78	0.163	1.12	0.016	0.005	0.001	0.003	0.003	0.229	0.028	0.035	0.0030	0.019	0.024	0.004	0.0051	
			74 377																		

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 PÁEZ
 GERENTE DE ASEGURAMIENTO DE CALIDAD
 QUALITY ASSURANCE MANAGER