



FLM-005-7

PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD
DE PRUEBA FÍSICAS-QUÍMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	TRICOTA	NUMERO	PTM-45543.4S-2001
CUSTOMER:		NUMBER	
PEDIDO CLIENTE / P.O.	6017	FECHA	FEBRERO 06, 2001
PEDIDO INTERNO / I.O.		DATE	
PARTIDA (S)	18200-20		
ITEMS			

TAMANO: 6.58" ESPESOR DE PARED: 0.250" GRADO: ASTM A53-B
WALL THICKNESS: 0.250" GRADE: ASTM A53-B
PRESION HIDROSTATICA: 111 Kg/cm² 1580 PSI
HIDROSTATIC TEST: CHEMICAL ANALYSIS PERCENT WEIGHT

PRUEBAS DE TENSION TENSILE TEST

NUM. PROBETA DESCRIPTION	CONADA HEAT	LIMITE ELASTICO YIELD STRENGTH (FLL)	ULTIMA TENSION TENSILE STRENGTH (FLL)	% ELONG. E	LEAIT V.A.T.S	C	Min	P	S	Ch	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
1B-20 Lc	107617	53 434	67 135	37	0.80	0.137	0.92	0.016	0.005	-	-	-	0.191	0.013	0.044	0.0021	0.018	0.028	-	-	0.0057
19B-24 Lc	208775	52 342	68 871	36	0.76	0.145	0.94	0.025	0.007	-	-	-	0.183	0.011	0.032	0.0008	0.015	0.022	-	-	0.0062
21B-15 Lc	208782	54 097	63 835	38	0.85	0.149	0.87	0.017	0.006	-	-	-	0.134	0.011	0.034	0.0022	0.012	0.021	-	-	0.0057
18B-9 Lc	208783	54 515	64 055	37	0.85	0.155	0.88	0.021	0.006	-	-	-	0.150	0.011	0.032	0.0024	0.015	0.023	-	-	0.0061
32B-13 Lc	208785	59 289	68 722	34	0.86	0.154	0.95	0.025	0.005	-	-	-	0.165	0.014	0.038	0.0021	0.016	0.025	-	-	0.0051

CERTIFICAMOS QUE LA TUBERIA ACQUI 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