



FLM-005-7

PROCARSA, S.A. DE C.V.
CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

TITULO	CLIENTE:	NUMERO
6906	TRICOTA	PTM-47159.63-2001
6906	CUSTOMER:	NUMBER
6906	FECHA	DATE
6906	MAYO 22, 2001	

TAMANO: 12 3/4" ESPESOR DE PARED: 0.250" GRADO: ASTM A53-B PRESION HIDROSTATICA: 58 Kg/cm² 820 PSI

TENSILE TEST

CHEMICAL ANALYSIS PERCENT WEIGHT

ITEM	YIELD STRENGTH (KSI)	TENSILE STRENGTH (KSI)	ELONGATION (%)	REDUCED SECTION (IN)	ELONGATION (%)	YIELD POINT (KSI)	C	MB	P	S	CB	V	TI	SI	Cu	Al	Ca	Cr	NI	Mo	N	Ceq
15-20 Tc	108145	57 440	69 749	36	0.82	0.150	0.85	0.018	0.006	-	-	-	-	0.165	0.017	0.029	0.0037	0.017	0.035	-	0.0067	
26-28 Tc	108146	53 842	67 640	42	0.80	0.140	0.91	0.018	0.006	-	-	-	-	0.200	0.018	0.029	0.0032	0.019	0.030	-	0.0065	
27-7 Tc	207792	59 546	76 588	39	0.78	0.139	0.91	0.017	0.006	-	-	-	-	0.172	0.010	0.043	0.0018	0.018	0.024	-	0.0046	
16-27 Tc	207851	50 217	81 428	39	0.75	0.139	0.90	0.016	0.005	-	-	-	-	0.188	0.014	0.042	0.0021	0.020	0.034	-	0.0061	
7-13 Tc	207941	55 697	68 739	39	0.81	0.157	0.94	0.017	0.006	-	-	-	-	0.156	0.015	0.040	0.0022	0.021	0.026	-	0.0053	
11-12 Tc	208063	52 571	71 369	40	0.74	0.156	0.90	0.015	0.007	-	-	-	-	0.217	0.015	0.036	0.0050	0.020	0.035	-	0.0059	

CERTIFICAMOS QUE LA TUBERIA ACUÍ 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 PÉREZ
 GERENTE DE ASEGURAMIENTO DE CALIDAD
 QUALITY ASSURANCE MANAGER