



FLM-005-7

PROCARSA, S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE: PLESA ANAHUACY CLAS. S.A. DE C.V.

NUMERO

PTM-71331-2

CUSTOMER:

NUMBER

PEDIDO CLIENTE / P.O.

1318

PEDIDO INTERNO / I.O.

1318

PARTIDA (S)

93322-10 / 93440-20

ITEMS

93322-10 / 93440-20

FECHA
DATE

MAYO 27, 2008

DIAMETRO : 10 3/4" ESPESOR DE PARED : 0.365" GRADO : ASTM A53-B PRESION HIDROSTATICA: 101 Kg/cm² 1430 PSI

**PRUEBAS DE TENSION
TENSILE TEST**

GRADO :

ASTM A53-B

PRESION HIDROSTATICA:

101 Kg/cm²

1430 PSI

ANALISIS QUIMICO % EN PESO
CHEMICAL ANALYSES PERCENT WEIGHT

NUM/PROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG. 2"	LEULT Y.S/T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mn	N	
38-7 Tc Ts	181047	51 589	65 096 68 157	40	0.79	0.134	0.80	0.020	0.004	0.001	0.004	0.005	0.297	0.020	0.045	0.002	0.020	0.020	0.020	0.006	0.0058
49-9 Tc Ts	181178	52 778	64 815 68 504	42	0.81	0.144	0.81	0.015	0.005	0.001	0.003	0.005	0.315	0.020	0.042	0.0022	0.020	0.030	0.009	0.0049	
51-12 Tc Ts	181180	52 206	65 896 67 301	35	0.79	0.124	0.79	0.016	0.006	0.001	0.003	0.005	0.318	0.010	0.042	0.0018	0.020	0.020	0.004	0.0048	
36-3 Tc Ts	280715	54 032	64 210 67 353	39	0.84	0.125	0.78	0.015	0.005	0.001	0.003	0.005	0.308	0.060	0.050	0.0021	0.020	0.030	0.008	0.0056	
35-9 Tc Ts	280717	53 673	64 298 72 769	42	0.83	0.124	0.77	0.018	0.005	0.001	0.004	0.005	0.291	0.020	0.042	0.002	0.020	0.030	0.007	0.0048	
37-5 Tc Ts	281000	51 142	63 788 67 645	37	0.80	0.134	0.76	0.021	0.007	0.001	0.004	0.005	0.300	0.010	0.038	0.002	0.020	0.020	0.006	0.0050	
40-9 Tc Ts	281003	54 155	64 613 67 051	40	0.83	0.148	0.77	0.018	0.006	0.001	0.003	0.005	0.300	0.020	0.035	0.002	0.040	0.020	0.008	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 A53-B -06

ING. FERNANDO OSORIO PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER