

FLM-005-7



PROCARSA, S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE: PLESA ANAHUAC Y CIAS. S.A. DE C.V.

NUMERO NUMBER PTM-72546-2008

CUSTOMER:

PEDIDO CLIENTE / P.O.

PARTIDA (S) 1858

FECHA DATE SEPTIEMBRE 24, 2008

ITEMS 93259-60 / 91952-20

PRESION HIDROSTATICA:

1050 PSI

74 Kg/cm²

HIDROSTATIC TEST:

ANALISIS QUIMICO % EN PESO

CHEMICAL ANALYSES PERCENT WEIGHT

ESPEJOR DE PARED

0.500"

WALL THICKNESS

GRADO :

ASTM A53-B

PRUEBAS DE TENSION

TENSILE TEST

NUM. PROBETA DESCRIPTION	COLADA HEAT	TENSILE TEST		% ELONG. 2"	LELUT Y.S.T.S	CHEMICAL ANALYSES PERCENT WEIGHT											Ceq		
		LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)			C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca		Cr	Ni
3-5 Tc Ts	179743	51 468	66 309 71 645	40	0.77	0.118	0.79	0.011	0.008	0.003	0.004	0.290	0.020	0.037	0.0015	0.020	0.020	0.009	0.0058
11-3 Tc Ts	179747	51 913	67 350 73 192	39	0.77	0.137	0.80	0.013	0.008	0.003	0.004	0.255	0.010	0.037	0.0015	0.030	0.020	0.008	0.0055
8-8 Tc Ts	278920	47 969	67 241 74 505	42	0.71	0.140	0.80	0.022	0.006	0.004	0.005	0.330	0.020	0.033	0.003	0.050	0.030	0.016	0.0063
2-3 Tc Ts	278921	49 850	67 436 72 056	43	0.74	0.150	0.78	0.015	0.005	0.001	0.004	0.292	0.020	0.035	0.002	0.050	0.020	0.020	0.0068

WE CERTIFY THE PIPE ABOVE MENTIONED ACCOMPLISH AND HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SPECIFICATIONS:

CERTIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO CON LOS REQUISITOS APPLICABLES DE LA ESPECIFICACION:

ASTM A53-B -06

FERNANDO OSORIO PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER