

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.

CUSTOMER:

PEDIDO CLIENTE/P.O.

PEDIDO INTERNO/I.O. 1735

PARTIDA (S)

ITEMS 93441-50 / 71055-10

NUMERO
NUMBER

PTM-72206-2008

FECHA
DATE

AGOSTO 16, 2008

DIAMETRO : DIAMETER : 12 3/4"		ESPESOR DE PARED WALL THICKNESS 0.330"		GRADO : GRADE : ASTM A53-B		PRESION HIDROSTATICA: HYDROSTATIC TEST: 77 Kg/cm ² 1090 PSI															
PRUEBAS DE TENSION TENSILE TEST				ANALISIS QUIMICO % EN P.F.S.O CHEMICAL ANALYSES PERCENT WEIGHT																	
NUM-PROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEULT Y.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
1-19 Tc Ts	181216	49 707	65 729 68 980	35	0.75	0.125	0.76	0.016	0.008	0.001	0.002	0.004	0.280	0.020	0.031	0.002	0.020	0.020	0.020	0.005	0.0071
19-8 Tc Ts	261201	62 634	74 757 83 314	37	0.84	0.090	1.12	0.016	0.006	0.026	0.003	-	0.288	0.020	0.043	0.0021	0.020	0.030	0.007	0.0064	
72-9 Tc Ts	261992	63 496	70 334 80 302	36	0.90	0.074	1.18	0.012	0.003	0.022	0.003	-	0.323	0.020	0.039	0.0024	0.020	0.030	0.005	0.0044	
5-20 Tc Ts	280998	48 290	64 112 69 782	35	0.75	0.126	0.76	0.015	0.005	0.001	0.002	0.005	0.305	0.010	0.037	0.002	0.020	0.020	0.006	0.0050	
4-18 Tc Ts	261000	50 682	65 192 68 385	33	0.77	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	

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

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


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