

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. 2086
 PARTIDA (S)
 ITEMS 101865-20 / 102283-30

NUMERO PTM-73710-2009
 NUMBER
 FECHA
 DATE ENERO 08, 2009


DIAMETRO : 10 3/4" ESPESOR DE PARED 0.365" GRADO : ASTM A53-B / API 5L X-42 PSL1 PRESION HIDROSTATICA: 170 Kg/cm² 2420 PSI
 DIAMETER : 10 3/4" WALL THICKNESS 0.365" GRADE : ASTM A53-B / API 5L X-42 PSL1 HIDROSTATIC TEST: 170 Kg/cm² 2420 PSI

PRUEBAS DE TENSION TENSILE TEST						ANALISIS QUIMICO % EN PESO 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"	LE/UT Y.S/T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
6-15 Tc Ts	188375	55 926	66 936 74 261	42	0.83	0.144	0.79	0.024	0.003	0.001	0.004	0.005	0.286	0.030	0.034	0.0026	0.030	0.020	0.005	0.0059	
5-3 Tc Ts	189461	56 171	66 643 71 001	40	0.84	0.123	0.76	0.008	0.005	0.002	0.001	0.004	0.309	0.020	0.040	0.002	0.020	0.020	0.009	0.0054	
1-14 Tc Ts	287446	57 166	67 299 71 981	44	0.84	0.128	0.79	0.015	0.004	0.001	0.003	0.004	0.284	0.020	0.036	0.002	0.020	0.020	0.005	0.0038	

CERTIFICAMOS QUE LA TUBERIA AQUÍ 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:

API SPECIFICATION 5L
 ASTM A53-B -06


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