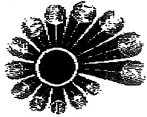


FLM-005-7



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:

NUMERO PTM-75687-2-2009

NUMBER

PEDIDO CLIENTE /P.O.

PEDIDO INTERNO /L.O. 2581

FECHA

DATE SEPTIEMBRE 19, 2009

PARTIDA (S)

ITEMS 103138-10

DIAMETRO:

DIAMETER: 14"

ESPESOR DE PARED

WALL THICKNESS

0.312"

GRADO:

GRADE:

ASTM A53-B

PRESION HIDROSTATICA:

HIDROSTATIC TEST:

66 Kg/cm²

940 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
21-11 Tc Ts	190812	62 320	68 857 73 677	40	0.90	0.068	1.19	0.011	0.004	0.017	0.003	0.009	0.249	0.010	0.037	0.0012	0.010	0.020	0.008	0.0050	
33-19 Tc Ts	288359	62 232	68 497 72 802	35	0.90	0.062	1.19	0.014	0.005	0.020	0.003	0.009	0.244	0.030	0.032	0.0021	0.030	0.020	0.007	0.0071	

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

ASTM -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