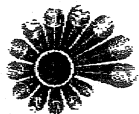


FLM-005-7



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 FTM-75687-1-2009

NUMBER

PEDIDO CLIENTE / P.O.

PEDIDO INTERNO / I.O. 2580

FECHA

DATE SEPTIEMBRE 19, 2009

PARTIDA (S)

ITEMS 109016-30

DIAMETRO :

DIAMETER : 10 3/4"

ESPESOR DE PARED

WALL THICKNESS

0.365"

GRADO :

GRADE : ASTM A53-B / API 5L X-42 PSL1

PRESION HIDROSTATICA:

HYDROSTATIC TEST: 171 Kg/cm² 2430 PSI
**PRUEBAS DE TENSION
TENSILE TEST**
**ANALISIS QUIMICO % EN PESO
CHEMICAL ANALYSES PERCENT WEIGHT**


NUM. PROBETA DESCRIPTION	COLADA HEAT	LIMITES ELASTICO YIELD STRENGTH (P.S.L.)	ULTIMA TENSION TENSILE STRENGTH (P.S.L.)	% ELONG. 1"	LEV. 1 Y.S.T.S.	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
3-5 Tc Ts	194359	54 485	65 867 74 742	45	0.82	0.130	0.79	0.018	0.005	0.001	0.004	0.004	0.320	0.026	0.043	0.002	0.025	0.023	0.006	0.0056	
12-6 Tc Ts	194360	55 327	66 392 74 513	42	0.83	0.127	0.85	0.017	0.004	0.002	0.002	0.003	0.309	0.032	0.043	0.002	0.024	0.023	0.007	0.0048	
3-3 Tc Ts	290364	50 808	64 054 66 049	37	0.79	0.127	0.78	0.014	0.005	0.002	0.003	0.004	0.295	0.020	0.041	0.004	0.020	0.020	0.007	0.0036	

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

ANSI / ESPECIFICACION API 5L

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 OCORIO PEREZ
 GERENTE DE ASEGURAMIENTO DE CALIDAD
 QUALITY ASSURANCE MANAGER