

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-77915-1-2010

PEDIDO CLIENTE /P.O.

PEDIDO INTERNO / I.O. 3169

FECHA

DATE AGOSTO 20, 2010

PARTIDA (S)

ITEMS 103138-30

DIAMETRO :

DIAMETER : 14"

ESPESOR DE PARED

WALL THICKNESS

0.500"

GRADO :

GRADE :

ASTM A53-B

PRESION HIDROSTATICA:

HIDROSTATIC TEST:

105 Kg/cm²

1500 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
4-12 Tc Ts	190415	56 851	64 449 72 176	42	0.88	0.124	0.78	0.015	0.006	0.002	0.004	0.004	0.264	0.020	0.045	0.0021	0.020	0.020	0.006	0.0042	
3-13 Tc Ts	290576	54 172	64 979 72 411	44	0.83	0.124	0.79	0.013	0.004	0.002	0.003	0.004	0.290	0.010	0.040	0.0015	0.040	0.020	0.007	0.0055	

CERTIFICAMOS QUE LA TUBERIA AQUÍ DESCRITA CUMPLE Y HA SIDO
ÉABRICADA, 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. ALEJANDRO ALARCON CAZARES
SUPERVISOR DE LABORATORIO METALURGICO
METALLURGICAL LABORATORY SUPERVISOR