

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.

NUMERO PTM-75045-2009

CUSTOMER:

NUMBER

PEDIDO CLIENTE / P.O.

PEDIDO INTERNO / I.O. 2375

FECHA

DATE MAYO 27, 2009

PARTIDA (S)

ITEMS 104334-40 / 91652-20

DIAMETRO :

ESPESOR DE PARED

GRADO :

PRESION HIDROSTATICA:

DIAMETER: 20"

WALL THICKNESS 0.250"

GRADE: ASTM A53-B

HYDROSTATIC TEST: 37 Kg/cm² 520 PSI

PRUEBAS DE TENSION

ANALISIS QUIMICO % EN PESO

TENSILE TEST

CHEMICAL ANALYSES PERCENT WEIGHT

NUM.PROBETA DESCRIPTION	COLADA HEAT	PRUEBAS DE TENSION		% ELONG. 2"	LE/UT Y.S/T.S	ANALISIS QUIMICO % EN PESO															
		LIMITE ELASTICO YIELD STRENGTH (P.S.I)	ULTIMA TENSION TENSILE STRENGTH (P.S.I)			CHEMICAL ANALYSES PERCENT WEIGHT															
						C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
5-12 Tc	191885	46 965	64 213	38	0.73	0.133	0.80	0.017	0.004	0.003	0.004	0.005	0.338	0.020	0.044	0.002	0.020	0.020	0.006	0.0062	
Ts			69 909																		
2-3 Tc	278921	49 850	67 436	43	0.74	0.150	0.78	0.015	0.005	0.001	0.002	0.004	0.292	0.020	0.035	0.002	0.050	0.020	0.020	0.0068	
Ts			72 056																		
2-9 Tc	292014	53 147	64 336	35	0.82	0.123	0.79	0.013	0.007	0.004	0.004	0.004	0.282	0.030	0.041	0.004	0.030	0.020	0.009	0.0057	
Ts			70 163																		

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:

ASTM -06

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