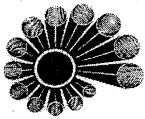


FLM-005-7



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-74667-1-2009

NUMBER

PEDIDO CLIENTE /P.O.

PEDIDO INTERNO / I.O. 2304

PARTIDA (S)

ITEMS 93259-50

FECHA

DATE ABRIL 22, 2009

DIAMETRO : DIAMETER : 20"	ESPEJOR DE PARED WALL THICKNESS 0.375"	GRADO : GRADE : ASTM A53-B	PRESION HIDROSTATICA: HIDROSTATIC TEST: 56 Kg/cm <sup>2</sup> 790 PSI
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**PRUEBAS DE TENSION  
TENSILE TEST**
**ANALISIS QUIMICO % EN PESO  
CHEMICAL ANALYSES PERCENT WEIGHT**

NUM.PROBETA DESCRIPTION	COLADA HEAT	PRUEBAS DE TENSION TENSILE TEST				ANALISIS QUIMICO % EN PESO CHEMICAL ANALYSES PERCENT WEIGHT															
		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
12-11 Tc Ts	179741	53 490	65 396 69 997	39	0.81	0.150	0.81	0.017	0.006	0.003	0.004	0.005	0.300	0.020	0.031	0.002	0.020	0.030	0.009	0.0049	
8-13 Tc Ts	179742	54 627	68 464 68 706	40	0.79	0.132	0.80	0.014	0.007	0.001	0.003	0.004	0.298	0.020	0.032	0.002	0.020	0.020	0.006	0.0051	

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 A53-B -06

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