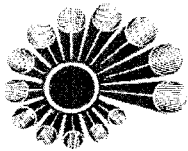


FLM-005-7



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-77338-2010

CUSTOMER:

NUMBER

PEDIDO CLIENTE / P.O.

PEDIDO INTERNO / I.O. 3020

FECHA

DATE MAYO 24, 2010

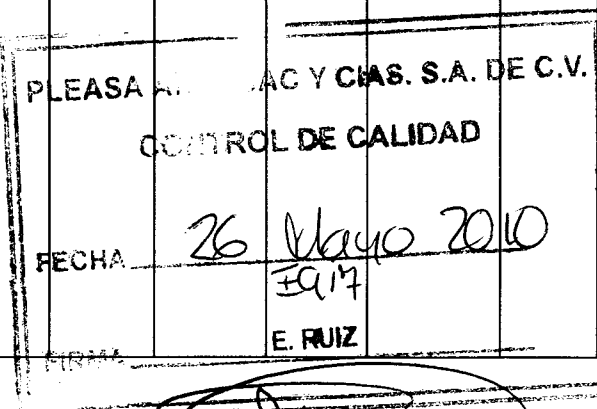
PARTIDA (S)

ITEMS 101575-10 / 103138-60

DIAMETRO : DIAMETER : 6 5/8"	ESPEJOR DE PARED WALL THICKNESS 0.432"	GRADO : GRADE : ASTM A53-B	PRESION HIDROSTATICA: HIDROSTATIC TEST: 193 Kg/cm ² 2,740 PSI
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**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
1B-22 Lc	288111	54 432	65 905	40	0.82	0.120	0.80	0.017	0.003	0.002	0.004	0.004	0.303	0.020	0.036	0.0015	0.030	0.020	0.011	0.0060	
2B-24 Lc	288112	63 018	74 254	38	0.84	0.134	0.82	0.020	0.005	0.001	0.005	0.004	0.283	0.020	0.026	0.0036	0.030	0.020	0.012	0.0065	
9B-16 Lc	290362	60 059	66 543	39	0.90	0.124	0.81	0.013	0.004	0.001	0.002	0.004	0.300	0.020	0.037	0.0015	0.020	0.030	0.009	0.0044	



CERTIFICAMOS QUE LA TUBERIA AQUÍ 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