

FLM-005-7

PROCARSA, S.A. DE C.V.

### CERTIFICADO DE CALIDAD DE PRUEBAS FISICAS-QUIMICAS

CLIENTE: PLESA ANAHUAC Y CIAS. S.A. DE C.V.

NUMERO  
NUMBER

PTM-61788-1-2005

CUSTOMER:

PEDIDO CLIENTE/P.O.

13624

FECHA

JUNIO 15, 2005

PARTIDA(S)

ITEMS

JP-5-01 / YG-1-00

DIAMETRO :

ESPESOR DE PARED

GRADO :

ASTM A53-B

PRESION HIDROSTATICA :

440 PSI

DIAMETER :

WALL THICKNESS

GRADE :

ASTM A53-B

HIDROSTATIC TEST :

31 Kg/cm<sup>2</sup>

#### PRUEBAS DE TENSION

NUM/PROBETA DESCRIPTION	COLADA HEAT	TENSILE TEST		% ELONG. %	LEULT U.S.T.S
		LIMITE ELASTICO YIELD STRENGTH (PSI)	UT-70MA TENSION TENSILE STRENGTH (PSI)		
61-6 Tc Ts	ZY1276	56 168	67 924 71 476	38	0.83
		62 375	70 172	36	0.89
102-11 Tc Ts	164226	53 121	67 792 75 652	40	0.78
		56 361	70 779 75 260	39	0.80

#### CHEMICAL ANALYSES PERCENT WEIGHT

ANALISIS QUIMICO % EN PESO															
C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
0.090	0.75	0.018	0.006	0.010	-	-	0.190	0.020	0.023	-	0.030	0.020	-	-	-
0.090	0.76	0.018	0.011	0.010	-	-	0.190	0.010	0.017	-	0.020	0.010	-	-	-
0.060	0.67	0.013	0.010	0.011	-	-	0.221	0.090	0.042	-	0.0100	0.020	-	-	-
0.060	0.78	0.012	0.008	0.012	-	-	0.250	0.120	0.034	-	0.0100	0.020	-	-	-

CERTIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO CON LOS REQUISITOS APPLICABLES 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-02



MRS. FERNANDINA ROSENDO PEREZ