



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 CIA S.A. DE C.V.	NUMERO	PTM-
CUSTOMER:		NUMBER	
PEDIDO CLIENTE/P.O.	14516	FECHA	JULIO 08, 2008
PEDIDO INTERNO/I.O.		DATE	
PARTIDA(S)			
ITEMS	JP-5-01 / KS-1-98		

METRO: 24" ESPESOR DE PARED: 0.250" GRADO: ASTM A53-B PRESION HIDROSTATICA: 31 Kg/cm² 440 PSI
 DIAMETRO: 24" WALL THICKNESS: 0.250" GRADE: ASTM A53-B HIDROSTATIC TEST: CHEMICAL ANALYSES PERCENT WEIGHT

DESCRIPCION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEULT V.S.T.S.	ANALISIS QUIMICO % EN PESO														
						C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	
64-6 Tc	ZY1275	56 611	68 190	37	0.83	0.080	0.73	0.020	0.008	0.010	--	--	0.190	0.010	0.014	--	0.020	0.010	--	
TS			72 200																	
61-6 Tc	ZY1276	56 168	67 924	38	0.83	0.090	0.75	0.018	0.006	0.010	--	--	0.190	0.020	0.023	--	0.030	0.020	--	
TS			71 476																	
63-5 Tc	ZY1277	60 093	67 605	36	0.89	0.090	0.75	0.015	0.010	0.010	--	--	0.190	0.020	0.024	--	0.030	0.010	--	
TS			73 793																	
56-5 Tc	ZY2622	62 375	70 172	36	0.89	0.090	0.76	0.018	0.011	0.010	--	--	0.190	0.010	0.017	--	0.020	0.010	--	
TS			71 891																	
29-8 Tc	KA4361	58 456	72 875	36	0.80	0.150	0.61	0.007	0.006	--	--	--	0.190	0.010	0.030	--	0.020	0.010	--	
TS			73 568																	

CERTIFICAMOS QUE LA TUBERIA AQUI 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 -02

ING. FERNANDO OSORIO PÉREZ
 GERENTE DE ASESURAMIENTO DE CALIDAD
 QUALITY ASSURANCE MANAGER