



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-6
CUSTOMER:		FECHA:	SEPTIEMBRE
PEDIDO CLIENTE / P.O.	039	DATE:	
PEDIDO INTERNO / I.O.			
PARTE (S)			
ITEMS	63175-10 / 70304-50 / 68103-40		

DIAMETRO : 16" ESPESOR DE PARED : 0.500" GRADO : ASTM A53-B PRESION HIDROSTATICA: 92 Kg/cm² 1310 PSI
 WALL THICKNESS CHEMICAL ANALYSES PERCENT WEIGHT

DESCRIPCION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LETT V.S.T.S	ANALISIS QUIMICO % EN PESO														
						C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	
5-8 Tc	150464	64 935	73 549	39	0.88	0.097	1.08	0.013	0.004	0.021	0.004	0.012	0.290	0.030	0.038	0.0017	0.010	0.030	0.007	
TS			79 750																	
68-3 Tc	250548	71 212	78 981	35	0.90	0.110	1.14	0.009	0.006	0.022	0.002	0.011	0.270	0.030	0.041	0.0026	0.020	0.030	0.007	
TS			83 916																	
22-2 Tc	160515	61 067	74 527	37	0.82	0.155	1.09	0.020	0.006	0.012	0.004	0.006	0.272	0.050	0.040	0.0019	0.020	0.030	0.010	
TS			86 296																	
5-7 Tc	160518	65 182	77 315	39	0.84	0.154	1.05	0.015	0.008	0.013	0.005	0.005	0.288	0.020	0.036	0.0027	0.030	0.030	0.010	
TS			86 065																	
154-8 Tc	250383	69 594	76 687	38	0.91	0.109	1.07	0.014	0.006	0.021	0.004	0.011	0.290	0.040	0.032	0.0020	0.020	0.040	0.007	
TS			83 846																	
40-9 Tc	250498	68 911	78 656	36	0.88	0.101	1.08	0.013	0.004	0.022	0.004	0.012	0.290	0.030	0.038	0.0032	0.020	0.030	0.006	
TS			83 463																	
75-4 Tc	250499	67 998	84 406	38	0.87	0.107	1.05	0.013	0.005	0.022	0.002	0.009	0.280	0.040	0.032	0.0017	0.030	0.030	0.007	
TS			84 502																	
15-7 Tc	250546	72 182	84 213	40	0.86	0.091	1.06	0.012	0.058	0.020	0.002	0.010	0.270	0.020	0.030	0.0030	0.020	0.030	0.006	
TS			85 648																	
54-10 Tc	250551	72 176	78 620	37	0.92	0.095	1.07	0.011	0.005	0.022	0.002	0.011	0.280	0.020	0.049	0.0026	0.020	0.030	0.007	
TS			84 420																	
8-3 Tc	256686	53 689	68 404	36	0.78	0.165	1.12	0.020	0.005	0.004	0.005	0.004	0.208	0.030	0.030	0.0035	0.020	0.030	0.004	
TS			74 041																	

ASTM A53-B -02

CONFIRMAMOS 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:

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