

PTM-4095-7
PROCARSA, S.A. DE C.V.
 CLIENTE: PLESA ANAHUAC Y CIAS, S.A. DE C.V.
 CUSTOMER: PTM-61788-2005

**CERTIFICADO DE CALIDAD
 DE PRUEBAS FISICAS-QUIMICAS**
 QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

DIAMETRO: 12.3/4"
 ESPESOR DE PARED
 WALL THICKNESS: 0.375"
 GRADO: API 5L X-42
 PRESSION HIDROSTATICA:
 HIDROSTATIC TEST: 148 Kg/cm² 2100 PSI

FECHA: JUNIO 15, 2005
 PEDIDO CLIENTE / P.O.
 PEDIDO INTERNO / I.O. 13620
 PARTIDA (S)
 ITEMS 64001-10

PRUEBAS DE TENSION		TENSILE TEST		CHEMICAL ANALYSES PERCENT WEIGHT																	
NUMPROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG. 2"	LE/UT A.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq

36-11 Tc Ts	251321	54 738	69 334 76 372	38	0.79	0.161	1.06	0.012	0.005	0.002	0.004	0.003	0.180	0.030	0.029	0.0032	0.030	0.030	0.080	0.0050	
16-18 Tc Ts	251322	55 420	67 058 77 190	36	0.83	0.152	1.05	0.016	0.008	0.001	0.005	0.003	0.160	0.030	0.032	0.0027	0.030	0.030	0.007	0.0050	
18-18 Tc Ts	251325	57 947	74 096 81 359	42	0.78	0.166	1.10	0.010	0.005	0.001	0.002	0.003	0.200	0.030	0.042	0.0029	0.020	0.030	0.007	0.0040	
9-15 Tc Ts	251326	55 689	71 857 77 248	38	0.78	0.168	1.08	0.015	0.007	0.001	0.003	0.004	0.200	0.030	0.039	0.0024	0.020	0.030	0.007	0.0050	
20-11 Tc Ts	251329	55 830	69 389 76 974	37	0.80	0.171	1.09	0.013	0.006	0.001	0.002	0.003	0.210	0.020	0.042	0.0028	0.020	0.030	0.007	0.0040	
6-18 Tc Ts	251404	56 723	72 039 77 669	40	0.79	0.156	1.09	0.017	0.010	0.002	0.005	0.003	0.180	0.020	0.042	0.0031	0.020	0.030	0.009	0.0040	
11-15 Tc Ts	251406	59 690	72 007 78 041	37	0.83	0.152	1.10	0.017	0.006	0.002	0.005	0.004	0.220	0.020	0.037	0.0029	0.020	0.030	0.009	0.0050	
8-8 Tc Ts	251407	56 049	69 061 78 129	37	0.81	0.160	1.09	0.022	0.006	0.001	0.004	0.003	0.170	0.020	0.043	0.0022	0.070	0.040	0.008	0.0040	

CERTIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO CON LOS REQUISITOS APPLICABLES DE LA ESPECIFICACION:
 API SPECIFICATION 5L

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