

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.

CUSTOMER:

NUMERO FTM-75623-1-2009

NUMBER

PEDIDO CLIENTE / P.O.

PEDIDO INTERNO / I.O. 2503

FECHA

DATE SEPTIEMBRE 02, 2009

PARTIDA (S)

ITEMS 100596-110

DIAMETRO : DIAMETER : 16"	ESPESOR DE PARED WALL THICKNESS 0.375"	GRADO : GRADE : ASTM A53-B	PRESION HIDROSTATICA: HIDROSTATIC TEST: 69 Kg/cm ² 980 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"	LEVUT Y.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
88-9 Tc	187290	62 854	69 442	39	0.90	0.061	1.17	0.016	0.004	0.018	0.003	0.007	0.223	0.020	0.034	0.0031	0.020	0.020	0.005	0.0064	
Ts			72 185																		
21-8 Tc	286986	61 878	70 371	44	0.87	0.076	1.18	0.012	0.005	0.022	0.003	0.009	0.234	0.020	0.036	0.0024	0.020	0.040	0.006	0.0078	
Ts			70 665																		
80-8 Tc	286987	61 879	70 142	40	0.88	0.074	1.18	0.015	0.006	0.021	0.005	0.010	0.225	0.040	0.038	0.0024	0.020	0.030	0.007	0.0065	
Ts			75 870																		
76-4 Tc	286988	61 985	70 865	38	0.87	0.068	1.17	0.013	0.004	0.021	0.003	0.007	0.238	0.040	0.027	0.0024	0.020	0.030	0.006	0.0067	
Ts			76 924																		
67-2 Tc	286989	61 210	68 294	42	0.89	0.076	1.16	0.011	0.004	0.018	0.002	0.008	0.232	0.030	0.039	0.0029	0.030	0.020	0.006	0.0063	
Ts			72 315																		
49-8 Tc	286990	62 987	70 135	37	0.89	0.062	1.16	0.013	0.007	0.019	0.005	0.009	0.226	0.030	0.031	0.0025	0.020	0.020	0.013	0.0076	
Ts			74 324																		
63-5 Tc	286991	64 414	71 473	40	0.90	0.066	1.19	0.018	0.004	0.022	0.005	0.006	0.216	0.040	0.025	0.0030	0.020	0.030	0.007	0.0061	
Ts			76 824																		
8-4 Tc	286992	61 733	68 280	37	0.90	0.068	1.16	0.013	0.006	0.018	0.004	0.008	0.235	0.020	0.036	0.0032	0.020	0.020	0.007	0.0062	
Ts			74 078																		
43-9 Tc	286993	62 552	75 171	37	0.83	0.062	1.19	0.018	0.004	0.022	0.005	0.007	0.231	0.050	0.034	0.0026	0.020	0.030	0.008	0.0044	
Ts			76 158																		
44-10 Tc	286994	63 265	70 138	38	0.90	0.070	1.18	0.012	0.003	0.020	0.005	0.006	0.230	0.040	0.035	0.0023	0.010	0.020	0.006	0.0060	
Ts			77 754																		
11-5 Tc	286995	62 604	73 367	38	0.86	0.069	1.16	0.012	0.003	0.018	0.002	0.006	0.231	0.020	0.028	0.0030	0.010	0.020	0.005	0.0066	
Ts			74 760																		

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:


W.G. FERNANDO OSORIO PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER