



PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICAL-CHEMICAL

PLM-006-7	CLIENTE: PLESA ANAHUAC Y CIAS. S.A. DE C.V.	NÚMERO: PFM-7-699-2009
DIÁMETRO: 10.94"	CUSTOMER:	NÚMERO:
WALL THICKNESS	PRUEBAS DE TENSION	2999
0.365"	TENSILE TEST	FECHA: MAYO 11, 2009
ASTM A53-B	CHEMICAL ANALYZES PERCENT WEIGHT	DATE:
GRADES:	ANÁLISIS QUÍMICO % EN PESO	
	101 Kg/cm ²	
	1430 PSI	

DIÁMETRO	WALL THICKNESS	GRADES	ASTM A53-B	ANÁLISIS QUÍMICO % EN PESO	101 Kg/cm ²	1430 PSI														
31.8 Tc	180733	53 882	85 253	42	0.82	0.113	0.80	0.019	0.004	0.001	0.003	0.005	0.303	0.010	0.036	0.002	0.020	0.020	0.005	0.0052
11.5 Tc	188374	53 857	73 944	39	0.82	0.131	0.78	0.023	0.006	0.001	0.003	0.005	0.306	0.040	0.046	0.003	0.040	0.030	0.006	0.0044
1.6 Tc	188375	52 876	72 895	40	0.80	0.144	0.79	0.024	0.006	0.001	0.004	0.005	0.286	0.030	0.034	0.003	0.030	0.020	0.005	0.0059
2.3 Tc	189480	54 282	67 108	42	0.84	0.122	0.76	0.012	0.007	0.002	0.004	0.004	0.301	0.020	0.034	0.002	0.020	0.020	0.008	0.0050
6.5 Tc	189482	58 128	66 878	40	0.83	0.120	0.76	0.009	0.006	0.002	0.004	0.004	0.305	0.020	0.040	0.002	0.020	0.020	0.008	0.0045
46.19 Tc	286718	65 880	70 822	39	0.83	0.075	1.18	0.011	0.006	0.018	0.005	0.011	0.280	0.020	0.029	0.002	0.020	0.030	0.012	0.0071
32.18 Tc	286723	64 683	71 145	38	0.90	0.078	1.17	0.012	0.006	0.016	0.004	0.011	0.257	0.030	0.045	0.002	0.020	0.020	0.013	0.0062
6.5 Tc	286725	63 811	70 519	35	0.90	0.070	1.18	0.013	0.005	0.013	0.005	0.010	0.235	0.020	0.031	0.002	0.020	0.020	0.013	0.0070
58.3 Tc	286726	63 010	68 196	40	0.92	0.070	1.16	0.016	0.006	0.016	0.005	0.010	0.250	0.030	0.030	0.002	0.030	0.020	0.013	0.0060
64.4 Tc	286727	61 761	72 657	40	0.91	0.068	1.16	0.013	0.005	0.015	0.005	0.009	0.254	0.020	0.026	0.002	0.020	0.020	0.013	0.0071
3.3 Tc	290364	50 808	73 317	37	0.79	0.127	0.78	0.014	0.005	0.002	0.003	0.004	0.285	0.020	0.041	0.004	0.020	0.020	0.007	0.0036
11.9 Tc	290365	46 696	64 160	38	0.77	0.116	0.79	0.014	0.006	0.001	0.002	0.004	0.284	0.010	0.047	0.003	0.030	0.020	0.005	0.0044
7.17 Tc	286388	50 988	66 525	36	0.77	0.121	0.78	0.013	0.008	0.002	0.003	0.004	0.289	0.020	0.038	0.003	0.020	0.020	0.007	0.0058
26.14 Tc	480114	50 621	67 466	36	0.76	0.123	0.77	0.012	0.007	0.001	0.003	0.003	0.274	0.010	0.038	0.004	0.020	0.020	0.005	0.0052
6.15 Tc	490115	50 621	66 524	36	0.77	0.127	0.78	0.011	0.007	0.001	0.002	0.002	0.273	0.010	0.036	0.003	0.030	0.020	0.007	0.0064
6.15 Tc	490118	46 492	66 367	35	0.77	0.112	0.78	0.014	0.007	0.001	0.003	0.002	0.281	0.010	0.050	0.004	0.020	0.020	0.007	0.0070

CERTIFICAMOS QUE LA TUBERIA AGUI 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

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