

PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

CLIENTE: PLESA ANAHUAC Y CIAS, S.A. DE C.V.

NUMERO PTM-00645-2005

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CUSTOMER: PLESA ANAHUAC Y CIAS, S.A. DE C.V.
PEDIDO CLIENTE / P.O. 13137
PEDIDO INTERNO / I.O. 59923-50 / B0588-20 / 63180-20
PARTIDAS) 13137
ITEMS

FECHA FEBRERO 18, 2005
DATE

DIAMETRO: 12 3/4" ESPESOR DE PARED 0.250" GRADO: ASTM A53-B
DIAMETER: 12 3/4" WALL THICKNESS 0.250" GRADE: ASTM A53-B
ANALISIS QUIMICO % EN PESO 58 Kg/cm² 820 PSI
CHEMICAL ANALYSES PERCENT WEIGHT
HIDROSTATIC TEST:

NUM/PROBETA DESCRIPTION	COLUMNA HEAT	UNITE EL ASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LENGT YSTS	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ce
10-4 Tc	150408	49 383	69 959	39	0.71	0.168	1.13	0.015	0.008	0.004	0.005	0.003	0.170	0.030	0.039	0.0042	0.030	0.040	0.013	0.0040	
Ts			77 975																		
3-24 Tc	245627	53 408	68 306	34	0.78	0.170	1.10	0.014	0.008	0.001	0.002	0.002	0.160	0.030	0.035	0.0029	0.020	0.030	0.006	0.0050	
Ts			75 738																		
6-24 Tc	245628	54 108	71 034	34	0.76	0.154	1.12	0.010	0.006	0.001	0.002	0.002	0.160	0.020	0.033	0.0024	0.020	0.030	0.005	0.0056	
Ts			73 911																		
2-7 Tc	247531	56 126	72 162	35	0.78	0.180	1.11	0.011	0.004	0.001	0.003	0.004	0.230	0.020	0.039	0.0023	0.020	0.030	0.007	0.0050	
Ts			79 519																		
7-26 Tc	247532	56 269	75 602	36	0.74	0.180	1.10	0.010	0.007	0.001	0.002	0.003	0.170	0.020	0.035	0.0023	0.010	0.030	0.006	0.0060	
Ts			80 404																		
3-6 Tc	250435	52 511	67 712	38	0.78	0.150	1.09	0.013	0.007	0.004	0.005	0.004	0.180	0.030	0.039	0.0032	0.030	0.040	0.014	0.0030	
Ts			73 953																		
15-15 Tc	250436	56 506	69 186	35	0.82	0.164	1.08	0.013	0.006	0.001	0.004	0.003	0.170	0.010	0.036	0.0028	0.020	0.030	0.005	0.0050	
Ts			75 821																		
7-14 Tc	250437	54 530	71 309	39	0.76	0.166	1.12	0.014	0.005	0.002	0.005	0.004	0.170	0.020	0.043	0.0021	0.030	0.030	0.011	0.0030	
Ts			77 519																		

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-02

ING. FERNANDO OSORIO PEREZ

GERENTE DE SEGUIMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER

