

CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

CLIENTE: PLESA ANAHUAC Y CLAS. S.A. DE C.V.

NUMERO

PTM-62004-2005

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CUSTOMER: PEDIDO CLIENTE/PO. 13756
PEDIDO INTERNO/LIO. PARTIDA(S)
B0588-20 / 62978-90 / 63180-20

FECHA

JULIO 04, 2005

DIAMETRO: 12.34"
WALL THICKNESS

ESPESSOR DE PARED

GRADO:

ASTM A53-B

PRESION HIDROSTATICA:
HIROSTATIC TEST:

89 Kg/cm²

820 PSI

TENSILE TEST

CHEMICAL ANALYSIS PERCENT WEIGHT

DESCRIPTION	COLADA	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG. E _T	LEUT YSTS	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
1-13 TC	147787	54 197	68 559	35	0.79	0.164	1.06	0.018	0.010	0.005	0.003	0.004	0.250	0.010	0.045	0.0020	0.020	0.020	0.005	0.0050	
TS			71 618																		
11-13 TC	148684	58 588	71 701	36	0.82	0.163	1.12	0.016	0.007	0.005	0.004	0.003	0.170	0.050	0.037	0.0023	0.030	0.030	0.015	0.0070	
TS			78 760																		
4-23 TC	148685	56 221	74 493	33	0.75	0.155	1.09	0.014	0.006	0.005	0.004	0.003	0.160	0.030	0.032	0.0028	0.030	0.030	0.015	0.0060	
TS			76 915																		
5-17 TC	148689	57 669	75 955	36	0.76	0.156	1.10	0.021	0.010	0.004	0.005	0.003	0.180	0.030	0.045	0.0034	0.030	0.030	0.016	0.0050	
TS			76 626																		
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																		
24-26 TC	150411	58 644	75 586	36	0.78	0.160	1.11	0.019	0.006	0.001	0.002	0.003	0.160	0.020	0.032	0.0020	0.020	0.030	0.005	0.0040	
TS			78 769																		
29-23 TC	150575	50 510	67 258	38	0.75	0.176	1.08	0.020	0.010	0.003	0.005	0.003	0.170	0.020	0.033	0.0033	0.020	0.030	0.009	0.0060	
TS			75 454																		
28-1 TC	150576	54 093	71 403	37	0.76	0.160	1.08	0.019	0.006	0.002	0.004	0.003	0.170	0.020	0.034	0.0034	0.020	0.030	0.013	0.0040	
TS			75 755																		
9-12 TC	247530	55 838	70 355	37	0.79	0.157	1.09	0.016	0.005	0.001	0.004	0.003	0.200	0.020	0.040	0.0027	0.030	0.030	0.008	0.0050	
TS			77 904																		
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 PERE

