



QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	PLESA ANAHUAC Y CIAS. S.A. DE C.V.	NUMERO	PTM-62236-2005
CUSTOMER:		NUMBER	
PEDIDO CLIENTE / P.O.	13854	FECHA	JULIO 27, 2005
PEDIDO INTERNO / I.O.		DATE	
PARTIDA (S)			
ITEMS			

DIAMETRO : 12 3/4" ESPESOR DE PARED 0.250" GRADO : ASTM A53-B PRESSION HIDROSTATICA: 820 PSI

PRUEBAS DE TENSION

TENSILE TEST

ANALISIS QUIMICO % EN PESO

CHEMICAL ANALYSES PERCENT WEIGHT

NUMPROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (KSI)	ULTIMA TENSION TENSILE STRENGTH (KSI)	% ELONG. E _T	ELUT Y.S.T.S	C	Min	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
1-13 TC TS	147787	54 197	68 559 71 618	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	
11-13 TC TS	148684	58 588	71 701 78 760	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	
4-23 TC TS	148685	56 221	74 493 76 915	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	
2-24 TC TS	148688	57 552	75 681 80 139	35	0.76	0.180	1.13	0.019	0.008	0.001	0.002	0.003	0.200	0.020	0.045	0.0026	0.030	0.030	0.008	0.0050	
5-17 TC TS	148689	57 669	75 955 76 626	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	
10-4 TC TS	150408	49 383	69 959 77 975	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	
29-23 TC TS	150575	50 510	67 258 75 454	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	
28-1 TC TS	150576	54 093	71 403 75 755	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	
2-7 TC TS	247531	56 126	72 162 79 519	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	
7-26 TC TS	247532	56 269	75 602 80 404	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	
3-6 TC TS	250435	52 511	67 712 73 953	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	
7-14 TC TS	250437	54 530	71 309 77 519	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	

CERTIFICAMOS QUE LA TUBERIA AQUI 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 ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER

