

**CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS**

QUALITY CERTIFICATE OF TEST PHYSICAL-CHEMICAL

CLIENTE:

PLESA ANAHUAC, S.A. DE C.V.

NUMERO

PI-NI-60500-2005

CUSTOMER:

PEDIDO CLIENTE / P.O.

PEDIDO INTERNO / I.O.

PARTIDA(S)

ITEMS

13004

FECHA

DATE

ENERO 29, 2005

DIAMETRO: 2 1/4" ESPESOR DE PARED: 0.375" WALL THICKNESS: 0.375"

GRADO: ASTM A53-B

PRESSION HIDROSTATICA: 46 Kg/cm²

ANALISIS QUIMICO % EN PESO

660 PSI

TENSILE TEST

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"	LEBUT V.S.T.S	C	Mn	P	S	Cb	V	Ti	SI	Cu	Al	Ca	Cr	Ni	Mo	N	Ce
68-3 TC	164209	58 154	67 181	35	0.87	0.070	0.76	0.013	0.010	0.014	-	-	0.243	0.070	0.055	-	0.0300	0.020	-	-	
29-3 TC	164212	56 550	74 364	36	0.78	0.070	0.76	0.012	0.013	0.013	-	-	0.235	0.110	0.044	-	0.0200	0.020	-	-	
116-6 TC	164214	57 864	77 450	40	0.86	0.070	0.81	0.016	0.009	0.012	-	-	0.265	0.110	0.036	-	0.0300	0.030	-	-	
58-13 TC	164218	54 842	74 552	33	0.83	0.080	0.80	0.012	0.006	0.015	-	-	0.221	0.030	0.036	-	0.0100	0.010	-	-	
69-13 TC	269074	57 096	69 549	34	0.83	0.070	0.86	0.015	0.007	0.015	-	-	0.252	0.050	0.057	-	0.0200	0.010	-	-	
52-3 TC	269079	60 497	75 660	38	0.83	0.080	0.79	0.014	0.008	0.012	-	-	0.220	0.040	0.035	-	0.0100	0.010	-	-	
141-3 TC	269091	58 953	72 947	39	0.88	0.090	0.83	0.011	0.007	0.013	-	-	0.223	0.060	0.040	-	0.0200	0.020	-	-	
35-4 TC	269093	59 257	66 719	40	0.88	0.080	0.77	0.011	0.005	0.013	-	-	0.220	0.040	0.039	-	0.0200	0.010	-	-	
79-3TC	269094	58 497	68 172	39	0.88	0.080	0.81	0.011	0.007	0.013	-	-	0.247	0.030	0.045	-	0.0200	0.010	-	-	
50-3 TC	269208	62 737	71 878	38	0.87	0.070	0.79	0.017	0.009	0.012	-	-	0.217	0.070	0.033	-	0.0200	0.020	-	-	
33-6 TC	269209	64 016	83 640	37	0.90	0.070	0.78	0.014	0.009	0.013	-	-	0.216	0.060	0.031	-	0.0100	0.020	-	-	
13-5 TC	269228	61 324	80 433	37	0.90	0.070	0.81	0.016	0.011	0.012	-	-	0.206	0.080	0.040	-	0.0400	0.020	-	-	
97-6 TC	269236	59 308	72 400	37	0.86	0.090	0.87	0.014	0.011	0.012	-	-	0.249	0.090	0.047	-	0.0300	0.030	-	-	
20-6 TC	* 269238	56 117	68 945	35	0.78	0.080	0.79	0.015	0.009	0.014	-	-	0.248	0.060	0.048	-	0.0200	0.010	-	-	
6-7 TC	269239	62 772	75 789	36	0.83	0.070	0.80	0.017	0.009	0.012	-	-	0.221	0.080	0.038	-	0.0300	0.030	-	-	
			80 302																		

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