

CERTIFICADO DE CALIDAD  
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	PIESA ANAHIAC Y CIA S. A. DE C.V.	NUMERO:	P/MI-60742-1-2005
PEDIDO CLIENTE / P.O.:	13137	FECHA:	MARZO 05, 2005
PEDIDO INTERNO / I.O.:	63180-20 / B0588-20	DATE:	
PARTIDAS)			

DIAMETRO:	1.314"	ESPESOR DE PARED:	0.250"	GRABO:	ASTM A53-B	PRESION HIDROSTATICA:	58 Kg/cm <sup>2</sup>	820 PSI
W ALL THICKNESS						HIDROSTATIC TEST:		

NUMPROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG. E	LETT TESTS	ANALISIS QUIMICO % EN PESO CHEMICAL ANALYSES PERCENT WEIGHT														
						C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N
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
24-26 TC TS	150411	58 644	75 586 78 769	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
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
9-12 TC TS	247530	55 838	70 355 77 904	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
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	56 289	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
15-15 TC TS	250436	56 506	69 186 75 821	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	0.0060
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