

DIAMETRO: 24" ESPESOR DE PARED 0.250" GRADO: ASTM A53-B PRESION HIDROSTATICA: 440 PSI  
WALL THICKNESS 0.250" GRADE: ASTM A53-B ANALISIS QUIMICO % EN PESO 31 Kg/cm<sup>2</sup>  
CHEMICAL ANALYSES PERCENT WEIGHT

NUM/PROBETA DESCRIPCION	COLADA HEAT	PRUEBAS DE TENSION			ANALISIS QUIMICO % EN PESO															
		LIMITE ELASTICO YIELD STRENGTH (F.S.I.)	ULTIMA TENSION TENSILE STRENGTH (F.S.I.)	% ELONG. 1"	CHEMICAL ANALYSES PERCENT WEIGHT															
					C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
64-6 Tc Ts	ZY1275	56 611	68 190 72 200	37	0.83	0.080	0.73	0.020	0.008	0.010	-	0.190	0.010	0.014	-	0.020	0.010	-	-	-
61-6 Tc Ts	ZY1276	56 168	67 924 71 476	38	0.83	0.090	0.75	0.018	0.006	0.010	-	0.190	0.020	0.023	-	0.030	0.020	-	-	-
63-5 Tc Ts	ZY1277	60 093	67 605 73 793	36	0.89	0.090	0.75	0.015	0.010	0.010	-	0.190	0.020	0.024	-	0.030	0.010	-	-	-
56-5 Tc Ts	ZY2622	62 375	70 172 71 891	36	0.89	0.090	0.76	0.018	0.011	0.010	-	0.190	0.010	0.017	-	0.020	0.010	-	-	-
62-2 Tc Ts	ZY2688	56 538	70 672 72 858	39	0.80	0.090	0.74	0.017	0.006	0.010	-	0.200	0.020	0.017	-	0.020	0.020	-	-	-
21-7 Tc Ts	269144	59 812	69 647 78 070	40	0.86	0.070	0.76	0.015	0.009	0.015	-	0.245	0.070	0.037	-	0.0200	0.020	-	-	-
121-6 Tc Ts	269147	58 084	77 529 73 877	38	0.75	0.070	0.70	0.014	0.009	0.013	-	0.244	0.060	0.036	-	0.0100	0.020	-	-	-

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