



QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

DIAMETRO: 12 3/4"		ESPAZOR DE PARED WALL THICKNESS		GRADO: 0.375"		ASTM A53-B		PRESION HIDROSTATICA: 1240 PSI		87 Kg/cm ²											
PRUEBAS DE TENSION TENSILE TEST		PRUEBAS FISICAS-QUIMICAS		ANALISIS QUIMICO % EN PESO		CHEMICAL ANALYSES PERCENT WEIGHT		HIDROSTATICO TEST:		HIDROSTATICO TEST:											
NUMPROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEAGUT V.S.T.S.	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
7-5 Tc	152741	70 375	84 618	31	0.83	0.099	1.11	0.018	0.004	0.043	0.003	0.008	0.180	0.050	0.029	0.0020	0.020	0.040	0.009	0.0055	
Ts			94 109																		
14-14 Tc	152744	73 591	82 458	35	0.89	0.097	1.12	0.017	0.003	0.047	0.003	0.008	0.219	0.030	0.043	0.0020	0.030	0.030	0.010	0.0070	
Ts			89 588																		
24-7 Tc	152755	72 602	82 109	35	0.88	0.098	1.11	0.011	0.004	0.047	0.002	0.010	0.209	0.020	0.041	0.0016	0.020	0.030	0.008	0.0069	
Ts			88 031																		
22-1 Tc	250153	61 020	71 949	36	0.85	0.086	0.66	0.013	0.005	0.031	0.003	0.003	0.200	0.330	0.039	0.0032	0.020	0.040	0.007	0.0050	
Ts			79 050																		
16-18 Tc	251322	55 420	67 058	36	0.83	0.152	1.05	0.016	0.008	0.001	0.005	0.003	0.160	0.030	0.032	0.0027	0.030	0.030	0.007	0.0050	
Ts			77 190																		
18-18 Tc	251325	57 947	74 096	42	0.78	0.166	1.10	0.010	0.005	0.001	0.002	0.003	0.200	0.030	0.042	0.0029	0.020	0.030	0.007	0.0040	
Ts			81 359																		
9-15 Tc	251326	55 689	71 857	38	0.78	0.168	1.08	0.015	0.007	0.001	0.003	0.004	0.200	0.030	0.039	0.0024	0.020	0.030	0.007	0.0050	
Ts			77 248																		
20-11 Tc	251329	55 630	69 389	37	0.80	0.171	1.09	0.013	0.006	0.001	0.002	0.003	0.210	0.020	0.042	0.0028	0.020	0.030	0.007	0.0040	
Ts			76 974																		
34-6 Tc	251402	58 396	68 756	37	0.85	0.158	1.10	0.018	0.008	0.001	0.005	0.003	0.160	0.030	0.039	0.0021	0.020	0.040	0.008	0.0040	
Ts			74 128																		
27-2 Tc	251403	52 599	67 053	38	0.78	0.164	1.07	0.016	0.008	0.001	0.005	0.003	0.160	0.020	0.028	0.0030	0.030	0.010	0.0070	0.0040	
Ts			74 069																		
6-18 Tc	251404	56 723	72 039	40	0.79	0.156	1.09	0.017	0.010	0.002	0.005	0.003	0.180	0.020	0.042	0.0031	0.020	0.030	0.009	0.0040	
Ts			77 669																		
12-19 Tc	251405	59 805	73 285	36	0.82	0.180	1.12	0.015	0.006	0.001	0.004	0.003	0.170	0.030	0.044	0.0022	0.020	0.030	0.007	0.0030	
Ts			79 169																		
2-2 Tc	251408	58 236	72 131	40	0.81	0.150	1.10	0.017	0.005	0.001	0.002	0.003	0.210	0.020	0.042	0.0027	0.030	0.030	0.007	0.0040	
Ts			79 582																		
4-9 Tc	251409	58 374	68 561	39	0.85	0.167	1.10	0.013	0.005	0.001	0.002	0.003	0.170	0.020	0.039	0.0020	0.020	0.030	0.006	0.0040	
Ts			72 129																		

WE CERTIFY THE PIPE ABOVE MENTIONED ACCOMPLISH AND HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SPECIFICATIONS:

CERTIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO CON LOS REQUISITOS APLICABLES DE LA ESPECIFICACION:

ASTM A53-B-02

ING. FERNANDO SORIO PEREZ
GERENTE DE ASESORAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER