

CUSTOMER:  
PEDIDO CUENTE / P.O. 13749  
PEDIDO INTERNO / I.O. 65371-20 / 64001-10  
PARTIDA (S)  
ITEMS

FECHA  
DATE SEPTIEMBRE 08, 2005

DIAMETRO: 12.314" ESPESOR DE PARED WALL THICKNESS 0.375" GRADO: ASTM A53-B PRESION HIDROSTATICA: 87 Kg/cm<sup>2</sup> 1240 PSI  
DIAMETER: 12.314" WALL THICKNESS 0.375" GRADE: ASTM A53-B HYDROSTATIC TEST: 87 Kg/cm<sup>2</sup> 1240 PSI

NUM. PROBE DESCRIPTION	COLADA HEAT	PRUEBAS DE TENSION TENSILE TEST				ANALISIS QUIMICO % EN PESO CHEMICAL ANALYSES PERCENT WEIGHT															
		LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. % ELONG.	LEULT Y.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	C
1-17 Tc Ts	151924	76 895	86 221	32	0.89	0.120	1.11	0.015	0.004	0.046	0.004	0.011	0.220	0.030	0.038	0.0015	0.020	0.040	0.009	0.0071	
24-7 Tc Ts	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	
16-18 Tc Ts	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	0.007	0.0060		
18-18 Tc Ts	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	
9-15 Tc Ts	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	
20-11 Tc Ts	251329	55 830	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	
27-2 Tc Ts	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		
6-8 Tc Ts	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	
12-19 Tc Ts	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	
8-8 Tc Ts	251407	56 049	79 169	37	0.81	0.160	1.09	0.022	0.006	0.001	0.004	0.003	0.170	0.020	0.043	0.0022	0.070	0.040	0.008	0.0040	
2-2 Tc Ts	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	

CERTIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO CON LOS REQUISITOS APPLICABLES DE LA ESPECIFICACION: ASTM A53-B -02

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  
QUALITY ASSURANCE MANAGER