

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

PEDIDO CLIENTE / P.O. 012-1  
PEDIDO INTERNO / I.O. 012-1  
PARTIDA (S) 67587-10 / 66827-20  
ITEMS

DIAMETRO: 10 3/4" ESPESOR DE PARED: 0.365" GRADO: API 5L B PSL1 1430 FSI 101 Kg/cm<sup>2</sup> HOJA 2 DE 2  
DIAMETER: WALL THICKNESS GRADE: 1430 FSI 101 Kg/cm<sup>2</sup> HOJA 2 DE 2

NUM PROBETA DESCRIPTION	COLADA HEAT	PRUEBAS DE TENSION TENSILE TEST			ANALISIS QUIMICO % EN PESO CHEMICAL ANALYSES PERCENT WEIGHT															
		LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG. % ELONG.	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
99-14 Tc	255836	52 786	68 363	38	0.164	1.08	0.016	0.004	0.002	0.005	0.004	0.189	0.020	0.034	0.0015	0.020	0.030	0.006	0.0044	
Ts			74 137																	
112-8 Tc	255837	51 824	67 556	39	0.150	1.07	0.015	0.004	0.003	0.005	0.004	0.184	0.030	0.028	0.0024	0.020	0.030	0.007	0.0057	
Ts			73 420																	
118-15 Tc	255839	54 912	70 060	38	0.159	1.11	0.016	0.004	0.003	0.004	0.005	0.212	0.040	0.032	0.0026	0.020	0.040	0.007	0.0045	
Ts			76 370																	
101-5 Tc	255841	55 151	67 809	39	0.159	1.09	0.016	0.005	0.001	0.003	0.004	0.199	0.030	0.036	0.0022	0.020	0.030	0.008	0.0038	
Ts			74 105																	
91-11 Tc	255843	57 870	69 811	42	0.166	1.13	0.016	0.005	0.004	0.005	0.005	0.184	0.030	0.031	0.0020	0.030	0.030	0.009	0.0035	
Ts			75 054																	
147-10 Tc	255925	55 712	70 325	36	0.173	1.12	0.013	0.006	0.001	0.002	0.002	0.170	0.030	0.037	0.0029	0.020	0.040	0.007	0.0042	
Ts			77 662																	
159-7 Tc	255926	55 503	70 304	40	0.165	1.09	0.015	0.005	0.001	0.002	0.003	0.187	0.030	0.032	0.0024	0.020	0.040	0.007	0.0047	
Ts			77 770																	
153-5 Tc	255927	51 592	67 522	35	0.160	1.12	0.014	0.006	0.001	0.002	0.002	0.151	0.040	0.035	0.0023	0.020	0.040	0.008	0.0051	
Ts			76 125																	

CERTIFICAMOS QUE LA TUBERIA AQUÍ 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:

  
ING. FERNANDO OSORIO PEREZ  
GERENTE DE ASEGURAMIENTO DE CALIDAD  
QUALITY ASSURANCE MANAGER