

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	PESA ANAHUAC Y CIA S. SA. DE C.V.	NUMERO:	PTM-62741-2005
CUSTOMER:		FECHA:	SEPTIEMBRE 08, 2005
pedido cliente / P.O.	13749	DATE	
pedido interno / I.O.	13749		
partida(s)			
ITEMS	65371-20 / 64001-10		

DIAMETRO: 12.34"
DIAMETER: 12.34"

ESPESOR DE PARED
WALL THICKNESS

GRADO:
GRADE:

ASTM A53-B

PRESION HIDROSTATICA:
HYDROSTATIC TEST:

87 Kg/cm²

1240 PSI

TENSILE TEST

CHEMICAL ANALYSES PERCENT WEIGHT

NIMPROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG. ELONG. % STS	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
1-17 Tc Ts	151924	76 895	86 221 89 838	32	0.89	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 88 031	35	0.88	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 77 190	36	0.83	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	
18-18 Tc Ts	251325	57 947	74 096 81 359	42	0.78	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 77 248	38	0.78	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 76 974	37	0.80	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 74 069	38	0.78	1.07	0.016	0.008	0.001	0.005	0.003	0.160	0.020	0.028	0.0030	0.030	0.030	0.010	0.0070	
6-18 Tc Ts	251404	56 723	72 039 77 669	40	0.79	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 79 169	36	0.82	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	69 061 78 129	37	0.81	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 79 582	40	0.81	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 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 ASESURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER

