

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE: PESA ANAHUAC Y CIA. S.A. DE C.V.
CANTONER: PEDRO CLIENTE P.O.
PEDIDO INTERNO / I.O. 012
PARTIDAS) 66827-20 / 67567-10 / 66823-40
ITEMS

NUMERO: PTM-62740-2005
FECHA: SEPTIEMBRE 08, 2005
DATE

DIAMETRO: 10.34" ESPESOR DE PARED: 0.365" GRADO: ASTM A53-B PRESION HIDROSTATICA: 101 Kg/cm² HOLA 1 DE 2
DIAMETER: 10.34" WALL THICKNESS: 0.365" GRADE: ASTM A53-B HYDROSTATIC TEST: 101 Kg/cm² HOLE 1 DE 2

NUMPROBETA DESCRIPTION	CORONA HEAT	LIMITE ELASTICO YIELDSTRENGTH (PSI)	LIMITE TENSION TENSILE STRENGTH (PSI)	% ELONG. EL.	DLETT ASTS	CHEMICAL ANALYSES PERCENT WEIGHT														
						C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N
10-6 TC TS	154563	55 777	68 396 74 243	36	0.82	0.169	1.13	0.019	0.003	0.001	0.004	0.003	0.198	0.030	0.032	0.0040	0.020	0.030	0.008	0.0040
15-8 TC TS	154566	54 755	69 476 76 848	35	0.79	0.159	1.08	0.014	0.006	0.001	0.002	0.003	0.172	0.020	0.037	0.0021	0.010	0.030	0.005	0.0040
3-16 TC TS	154890	54 196	71 649 78 781	36	0.76	0.180	1.10	0.015	0.004	0.002	0.003	0.003	0.177	0.050	0.033	0.0016	0.010	0.030	0.008	0.0039
5-7 TC TS	155011	65 066	74 956 82 978	35	0.87	0.180	1.05	0.012	0.008	0.009	0.002	0.003	0.250	0.050	0.032	0.0022	0.050	0.060	0.034	0.0067
7-7 TC TS	155012	66 963	75 440 83 333	35	0.89	0.159	1.03	0.017	0.008	0.009	0.002	0.003	0.294	0.030	0.040	0.0019	0.050	0.060	0.031	0.0058
30-8 TC TS	155472	52 885	68 751 75 956	35	0.77	0.172	1.05	0.016	0.006	0.003	0.004	0.003	0.168	0.030	0.034	0.0027	0.030	0.030	0.008	0.0055
29-9 TC TS	155485	54 343	69 309 76 480	37	0.78	0.164	1.15	0.019	0.010	0.004	0.005	0.005	0.182	0.020	0.041	0.0029	0.020	0.030	0.008	0.0035
9-16 TC TS	155487	52 505	69 343 77 649	36	0.76	0.170	1.07	0.012	0.007	0.001	0.004	0.003	0.197	0.040	0.038	0.0036	0.020	0.030	0.009	0.0056
17-15 TC TS	155488	57 136	70 321 77 387	37	0.81	0.180	1.09	0.014	0.006	0.003	0.005	0.003	0.188	0.080	0.044	0.0030	0.020	0.040	0.009	0.0057
16-7 TC TS	155489	50 951	67 369 74 812	38	0.76	0.150	1.07	0.014	0.007	0.004	0.005	0.004	0.150	0.030	0.045	0.0029	0.020	0.030	0.007	0.0047
43-15 TC TS	155578	50 158	68 736 75 883	38	0.73	0.169	1.15	0.018	0.006	0.005	0.005	0.005	0.215	0.030	0.045	0.0027	0.030	0.030	0.009	0.0032
45-9 TC TS	155579	50 061	69 370 76 291	37	0.72	0.166	1.13	0.021	0.004	0.004	0.005	0.005	0.219	0.020	0.040	0.0031	0.020	0.030	0.008	0.0036
31-9 TC TS	155582	50 431	68 081 74 544	37	0.74	0.162	1.08	0.015	0.009	0.004	0.005	0.004	0.179	0.020	0.039	0.0048	0.030	0.040	0.011	0.0054
99-14 TC TS	255836	52 786	68 363 74 137	38	0.77	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
101-5 TC TS	255841	55 151	67 809 74 105	39	0.81	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

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

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