



PROCARSA, S.A. DE C.V.

**CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS**

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE: PESA ANAHUAC Y CIAS, S.A. DE C.V.
CUSTOMER:

NUMERO PTM-7206-2008
NUMBER

pedido cliente / P.O. 1735

pedido interno / I.O. 1735

partida (S) JP-4-00 / JP-7-01 / USA-06-05

FECHA DATE
AGOSTO 16, 2008

DIAMETRO: 24" ESPESOR DE PARED 0.500"
DIAMETER: 24" WALL THICKNESS 0.500"

GRADO: ASTM A53-B

PRESSION HIDROSTATICA: 67 Kg/cm²
HIDROSTATIC TEST:

ANALISIS QUIMICO % EN PESO 880
CHEMICAL ANALYSES PERCENT WEIGHT

NUMPROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEULT Y.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
14-6 TC TS	ZN1371	56 727	67 941 74 668	41	0.83	0.080	0.70	0.015	0.006	0.010	-	-	0.190	0.020	0.018	-	0.030	0.020	-	0.0020	
23-3 TC TS	ZY2624	58 026	68 923 74 754	39	0.84	0.090	0.78	0.013	0.009	0.010	-	-	0.200	0.020	0.018	-	0.030	0.010	-	0.0020	
42-4 TC TS	B5Q6011	69 207	76 912 80 162	40	0.90	0.058	1.08	0.011	0.003	0.076	0.003	0.002	0.236	0.108	0.027	0.0018	0.050	0.050	0.012	0.0080	
40-7 TC TS	B5Q6012	65 803	74 267 77 744	39	0.89	0.054	1.08	0.010	0.003	0.073	0.002	0.002	0.242	0.133	0.029	0.003	0.040	0.050	0.013	0.0080	
29-9 TC TS	B5Q6013	62 511	74 798 80 006	40	0.84	0.054	1.11	0.011	0.004	0.078	0.003	0.002	0.230	0.144	0.027	0.001	0.050	0.070	0.032	0.0060	
4-5 TC TS	B5Q6018	54 299	68 108 70 187	37	0.80	0.061	1.11	0.011	0.003	0.025	0.003	0.002	0.204	0.175	0.029	0.001	0.030	0.060	0.015	0.0070	

VERIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO
3RICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO
N 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 -06

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