

PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD  
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE	PIESA ANAHL AC Y CLAS. S.A. DE C.V.	NÚMERO	PTM-61799-2005
CUSTOMER		NÚMERO	
PEDIDO CLIENTE/PO.	13624	FECHA	JUNIO 16, 2005
PEDIDO INTERNO/LO.		DATE	
PARTIDA(S)	JP-5-01 / YG-1-00		
ITEMS			

DIÁMETRO:	24"	ESPAESOR DE PARED	0.250"	GRADO:	ASTM A53-B	PRESION HIDROSTATICA:	31 Kg/cm <sup>2</sup>	440 PSI
WALL THICKNESS				GRADE:		HIDROSTATIC TEST:		

TENSILE TEST

CHEMICAL ANALYSES PERCENT WEIGHT

UNIFORMETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	EBULT Y.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
64-6 TC	ZY1275	56 611	68 190	37	0.83	0.080	0.73	0.020	0.008	0.010	--	--	0.190	0.010	0.014	--	0.020	0.010	--	--	--
TS			72 200																		
63-5 TC	ZY1277	60 093	67 605	36	0.89	0.090	0.75	0.015	0.010	0.010	--	--	0.190	0.020	0.024	--	0.030	0.010	--	--	--
TS			73 793																		
56-5 TC	ZY2622	62 375	70 172	36	0.89	0.090	0.76	0.018	0.011	0.010	--	--	0.190	0.010	0.017	--	0.020	0.010	--	--	--
TS			71 891																		
102-1 TC	164226	53 121	67 792	40	0.78	0.060	0.67	0.013	0.010	0.011	--	--	0.221	0.090	0.042	--	0.0100	0.020	--	--	--
TS			75 652																		
100-1 TC	269110	56 843	69 828	38	0.81	0.070	0.70	0.016	0.014	0.013	--	--	0.240	0.090	0.034	--	0.0200	0.020	--	--	--
TS			75 997																		
135-1 TC	269111	61 437	69 462	35	0.88	0.070	0.66	0.014	0.010	0.012	--	--	0.229	0.090	0.033	--	0.0100	0.020	--	--	--
TS			78 082																		
9-7 TC	269149	59 495	69 843	34	0.85	0.070	0.72	0.014	0.009	0.013	--	--	0.264	0.070	0.043	--	0.0200	0.020	--	--	--
TS			77 532																		

ERTIFICAMOS QUE LA TUBERIA ACUI DESCRITA CUMPLE Y HA SIDO ABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO ON 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 ORTIZ PEREZ

