



PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

DIAMETRO: 12 3/4" ESPESOR DE PARED: 0.219" GRADO: CLIENTE: TUCOTIA

WALL THICKNESS: 0.219" GRADO: ASTM A53-B CUSTOMER: TUCOTIA

TENSILE TEST ANALISIS QUIMICO % EN PESO PEDIDO CLIENTE/P.O. 10041 PARTIDA (S) 33945-20 / 40687-20 PRESSION HIDROSTATICA: 51 Kg/cm² 720 PSI

NUMEROS DE DESCRIPCION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG. 2"	LEAD YIELD	C	Min	P	S	Cb	V	TI	SI	Cu	Al	Ca	Cr	NI	Mo	N	Cod
7-17 TC TS	121111	55 944	64 778	40	0.86	0.131	0.81	0.017	0.008	-	-	-	0.151	0.015	0.050	0.0002	0.019	0.025	-	-	-
8-15 TC TS	127027	52 365	69 662	35	0.74	0.180	1.14	0.022	0.007	-	-	-	0.159	0.017	0.039	0.0022	0.017	0.029	-	-	-
12-31 TC TS	127029	56 585	75 486	35	0.74	0.165	1.11	0.019	0.007	-	-	-	0.202	0.012	0.038	0.0023	0.019	0.023	-	-	-
10-26 TC TS	127028	53 518	77 026	34	0.74	0.168	1.20	0.023	0.007	-	-	-	0.197	0.016	0.045	0.0023	0.015	0.029	-	-	-
1-15 TC TS	127034	50 485	78 845	37	0.70	0.175	1.10	0.016	0.006	-	-	-	0.218	0.014	0.041	0.0024	0.017	0.024	-	-	-
13-15 TC TS	127035	51 475	72 634	36	0.74	0.165	1.07	0.017	0.007	-	-	-	0.185	0.016	0.036	0.0026	0.020	0.023	-	-	-
11-18 TC TS	221212	54 173	69 881	39	0.76	0.130	0.81	0.016	0.006	-	-	-	0.150	0.016	0.039	0.0002	0.018	0.028	-	-	-
7-25 TC TS	227455	57 322	72 018	35	0.76	0.159	1.07	0.013	0.007	-	-	-	0.203	0.027	0.045	0.0023	0.022	0.022	-	-	-
			73 572																		
			76 571																		

CERTIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO CON LOS REQUISITOS APLICABLES DE LA ESPECIFICACION:

ASTM A53-B -99

WE CERTIFY THE PIPE ABOVE MENTIONED ACCOMPLISH AND HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SPECIFICATIONS:

ING. FERNANDO BORDO GENEZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER

NUMERO DE PRODUCTO: P10-34331-2003
FECHA: MARZO 11, 2003
DATE