



FLM-0057

PROCARSA, S.A. DE C.V.
CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	TUCOTA	NUMERO	PTM-52537-2002
CUSTOMER:		NUMBER	
PEDIDO CLIENTE / P.O.	9166	FECHA	JULIO 17, 2002
PEDIDO INTERNO / I.O.		DATE	
PARTIDA (S)	26485-20 / 26527-60 / 31538-40 / 23091-40		
ITEMS			

TAMANO 6.50" ESPESOR DE PARED 0.200" WALL THICKNESS 0.200"

GRADO: ASTM A53-B

PRENSION HIDROSTATICA: 125 Kg/cm²

HIDROSTATIC TEST: 1780 PSI

ANALISIS QUIMICO % EN PESO CHEMICAL ANALYSES PERCENT WEIGHT

IDENTIFICACION	CORALIN MARC	LIBRETE ELABORACION Y SERIE (Q.21)	SERIE TENSION TUBO ESTRECHOTE (Q.22)	% ELONG. T	LAST T	TENSILE TEST										CHEMICAL ANALYSES PERCENT WEIGHT									
						C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq				
14A-14 Lc	115556	59 853	74 218	35	0.81	0.180	1.11	0.016	0.005	-	-	-	0.253	0.022	0.041	0.0025	0.024	0.032	-	0.0072					
29A-11 Lc	115558	61 513	75 472	34	0.82	0.179	1.12	0.022	0.005	-	-	-	0.230	0.021	0.039	0.0026	0.043	0.044	-	0.0061					
1B-11 Lc	116144	62 148	74 528	32	0.83	0.167	1.14	0.011	0.006	-	-	-	0.202	0.016	0.043	0.0027	0.012	0.018	-	0.0047					
24A-11 Lc	120107	60 883	71 030	35	0.86	0.163	1.11	0.017	0.007	-	-	-	0.235	0.012	0.045	0.0029	0.022	0.032	-	0.0051					
28A-10 Lc	120108	60 261	72 874	36	0.83	0.158	1.11	0.013	0.006	-	-	-	0.228	0.012	0.036	0.0028	0.020	0.033	-	0.0042					
1B-10 Lc	212737	57 229	66 640	39	0.86	0.144	0.90	0.016	0.007	-	-	-	0.168	0.016	0.040	0.0032	0.020	0.032	-	0.0058					
6B-11 Lc	215931	61 731	74 753	30	0.83	0.163	1.12	0.016	0.005	-	-	-	0.228	0.028	0.035	0.0030	0.019	0.024	-	0.0051					
16A-25 Lc	215933	66 196	79 288	30	0.84	0.158	1.16	0.013	0.007	-	-	-	0.241	0.021	0.042	0.0036	0.017	0.027	-	0.0064					

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

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