FLM-005-7

PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE: TUCOTA
CUSTOMER:

NUMERO / NUMBER: PTM-52499,500-2002

PEDIDO CLIENTE /P.O.
PEDIDO INTERNO / I.O. 9157
PARTIDA (S)
ITEMS 36766-30

FECHA / DATE: JULIO 12, 2002

DIAMETRO / DIAMETER: 10 3/4"

ESPESOR DE PARED / WALL THICKNESS: 0.250"

GRADO / GRADE: ASTM A53-B

PRESION HIDROSTATICA / HIDROSTATIC TEST: 69 Kg/cm² 980 PSI

PRUEBAS DE TENSION / TENSILE TEST						ANALISIS QUIMICO % EN PESO / CHEMICAL ANALYSES PERCENT WEIGHT															
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca		Ni	Mo	N	Ceq
4-13 Tc	223974	52 130	67 769	38	0.77	0.162	1.10	0.013	0.004	0.001	0.005	0.003	0.209	0.023	0.036	0.0029	0.008	0.030	0.005	0.0065	
Ts			72 758																		
7-5 Tc	223975	55 358	66 430	38	0.83	0.160	1.12	0.019	0.004	0.001	0.005	0.004	0.234	0.021	0.032	0.0026	0.014	0.023	0.003	0.0070	
Ts			69 723																		
8-9 Tc	223976	53 358	66 766	37	0.80	0.170	1.12	0.014	0.005	0.001	0.005	0.003	0.200	0.019	0.030	0.0026	0.021	0.021	0.003	0.0068	
Ts			71 839																		
2-12 Tc	223978	53 691	66 061	39	0.81	0.180	1.11	0.013	0.005	0.001	0.002	0.003	0.239	0.050	0.032	0.0030	0.019	0.034	0.008	0.0073	
Ts			69 719																		

CERTIFICAMOS QUE LA TUBERIA AQUÍ 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. FERNANDO OSORIO PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER