



H.M-005-7
PROCARSA, S.A. DE C.V.

**CERTIFICADO DE CALIDAD
 DE PRUEBAS FÍSICAS-QUÍMICAS**

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	TUCOTA	NUMERO:	7729-2001
CUSTOMER:		493862729-0001	
PEDIDO CLIENTE / P.O.:	7724	FECHA:	OCTUBRE 17, 2001
PEDIDO INTERNO / I.O.:		DATE:	
PARTIDA (S):			
ITEMS:	26485-20		

TAMANO: 6 5/8" ESPESOR DE PARED: 0.280" GRADO: ASTM A53-B PRESION HIDROSTATICA: 125 Kg/cm² 1780 PSI

TENSILE TEST

CHEMICAL ANALYSES PERCENT WEIGHT

NUM PROBLETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG. E ₂	LEAD VGF'S	C	Mn	P	S	Cl	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
4A-11 Lc	115554	56 624	72 802	36	0.78	0.174	1.15	0.017	0.007	--	--	--	0.247	0.023	0.045	0.0019	0.023	0.037	--	0.0084	
8A-14 Lc	115555	64 981	73 886	31	0.88	0.165	1.19	0.015	0.007	--	--	--	0.264	0.025	0.042	0.0020	0.023	0.031	--	0.0072	
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	
27A-11 Lc	115557	61 883	73 546	32	0.84	0.171	1.14	0.019	0.007	--	--	--	0.238	0.021	0.036	0.0022	0.020	0.030	--	0.0082	
20A-11 Lc	215411	60 410	73 700	32	0.82	0.180	1.11	0.016	0.005	--	--	--	0.253	0.020	0.045	0.0023	0.015	0.033	--	0.0056	
9A-11 Lc	215414	62 615	73 694	34	0.82	0.167	1.11	0.020	0.007	--	--	--	0.246	0.021	0.041	0.0027	0.021	0.032	--	0.0075	

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 ACCOMPISH AND HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SPECIFICATIONS:

ASTM

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