



PROCARSA, S.A. DE CV.

**CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS**
QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	TUCOTIA	NUMERO	PTM-47342-2-2001
CUSTOMER:		NUMBER	
PEDIDO CLIENTE / NO.	6907	FECHA	MAYO 31, 2001
PEDIDO INTERNO / I.O.		DATE	
PARTIDA(S)	JP-2-00		

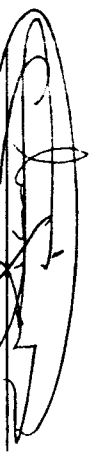
TAMANO: 24" ESTOR DE PARED: 0.299" GRADO: API 5L X-52
 SIZE: 24" WALL THICKNESS: 0.299" GRADE: API 5L X-52
 PRESION HIDROSTATICA: 990 PSI
 ANALISIS QUIMICO % EN PESO: 69 Kg/cm²

IDENTIFICACION DESCRIPTION	CORONA HEAT	PRUEBAS DE TENSION		CHEMICAL ANALYSES PERCENT WEIGHT																
		YIELD- STRENGTH (KSI)	TENSILE STRENGTH (KSI)	ANALISIS QUIMICO % EN PESO																
				C	Mn	P	S	Cb	V	TI	SI	Cu	Al	Ca	Cr	NI	Mo	N	Ceq	
9-14 TC T8	ZN2801	73 653	82 368 86 559	38	0.89	0.080	0.83	0.014	0.006	0.030	0.004	-	0.180	0.020	0.016	-	0.030	0.020	0.009	0.0020

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:

API SPECIFICATION 5L
 FORTY-SECOND EDITION, JANUARY, 2000
 EFFECTIVE DATE : JULY 1, 2000


 ING. ERNANDO OSORIO BEREZ
 GERENTE DE ASEGURAMIENTO DE CALIDAD
 QUALITY ASSURANCE MANAGER