



PROCARSA, S.A. DE C.V.

**CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS**

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

DIAMETRO: 10 3/4" ESPESOR DE PARED: 0.2500" GRADO: API 5L X-42 PRESION HIDROSTATICA: 3000 PSI

DIAMETRO: 10 3/4" WALL THICKNESS: 0.2500" GRADE: API 5L X-42 ANALISIS QUIMICO % EN PESO: 211 Kg/cm²

CLIENTE: TUCOYA PEDIDO CLIENTE/P.O. 11739 FECHA: MARZO 23, 2004

CUSTOMER: TUCOYA PEDIDO INTERNO/ I.O. 11739 DATE: MARZO 23, 2004

ITEMS: 41782-20 PARTIDA(S) PRESION HIDROSTATICA: 3000 PSI

ANALISIS QUIMICO % EN PESO: 211 Kg/cm²

CHEMICAL ANALYSES PERCENT WEIGHT

NOMENCLATURA DESCRIPTION	CINAMMA HEAT	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG. %	LEAD VANTS	CHEMICAL ANALYSES PERCENT WEIGHT														
						C	Mn	P	S	Ch	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N
6-8 TC TS	127862	61 426	75 005	40	0.82	0.161	1.10	0.015	0.007	0.001	0.002	0.003	0.213	0.041	0.035	0.0035	0.028	0.035	0.007	0.0050
10-7 TC TS	127863	56 022	73 363	39	0.76	0.176	1.12	0.012	0.005	0.001	0.001	0.003	0.180	0.028	0.033	0.0028	0.018	0.027	0.005	0.0079
8-3 TC TS	127865	60 712	78 544	39	0.83	0.161	1.10	0.015	0.007	0.001	0.002	0.003	0.213	0.041	0.035	0.0037	0.028	0.035	0.007	0.0060
3-14 TC TS	127868	66 421	81 401	38	0.88	0.172	1.09	0.018	0.006	0.001	0.004	0.003	0.201	0.026	0.034	0.0020	0.017	0.026	0.004	0.0065

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 SL

FORTY-SECOND EDITION, JANUARY, 2000

EFFECTIVE DATE: JUN 1 2000

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

QUALITY ASSURANCE MANAGER