



FLM-005-7  
**PROCARSA, S.A. DE C.V.**

380710

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE:	TUCOTA	NUMERO	
CUSTOMER:		NUMBER	
PEDIDO CLIENTE / P.O.	11160	FECHA	
PEDIDO INTERNO / I.O.		DATE	
PARTIDA (S)		OCC	
ITEMS	43755-40		

DIAMETRO: 16"      ESPESOR DE PARED: 0.500"      GRADO: API 5L X-42      PRESION HIDROSTATICA: 157 Kg/cm<sup>2</sup>      2230 PSI  
 DIAMETER: 16"      WALL THICKNESS: 0.500"      GRADE: API 5L X-42      HIDROSTATIC TEST: 157 Kg/cm<sup>2</sup>      2230 PSI

**PRUEBAS DE TENSION  
 TENSILE TEST**

**CHEMICAL ANALYSES PERCENT WEIGHT**

NUM. PROBE TA DESCRIPTION:	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEU/T Y.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	I
2-3 Tc TS	131400	53 926	71 452 78 780	40	0.75	0.170	1.10	0.013	0.007	0.001	0.002	0.002	0.190	0.029	0.035	0.0034	0.011	0.028	0
1-7 Tc TS	131401	52 103	73 080 79 946	37	0.71	0.174	1.10	0.015	0.007	0.001	0.002	0.003	0.197	0.024	0.034	0.0031	0.015	0.027	0

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