



TUCOTA S.A. DE C.V.

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

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

DIAMETRO: 12.34" ESPESOR DE PARED: 0.250" GRADO: ASTM A53-B
 DIAMETER: 12.34" WALL THICKNESS: 0.250" GRADE: ASTM A53-B

PRUEBAS DE TENSION TENSILE TEST ANALISIS QUIMICO % EN PESO CHEMICAL ANALYSES PERCENT WEIGHT

DESCRIPCION	COLADO HEAT	LENGUE ELASTICO TENSILE STRETCH (G.L.)	ULTIMA TENSION TENSILE STRENGTH (G.L.)	% ELONG. %	LENGUE YIELD	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
20.5 Tc	127036	56 144	89 056	38	0.81	0.180	1.11	0.018	0.007	0.002	0.005	0.003	0.150	0.017	0.037	0.0037	0.020	0.020	0.015	0.0048	
17.6 Tc	127037	51 720	72 139	38	0.73	0.173	1.10	0.014	0.008	0.003	0.005	0.004	0.181	0.018	0.037	0.0026	0.021	0.022	0.013	0.0080	
3.19 Tc	127038	56 283	70 610	34	0.80	0.157	1.15	0.014	0.007	0.001	0.002	0.003	0.243	0.012	0.045	0.0027	0.013	0.024	0.003	0.0054	
5.14 Tc	127039	52 829	75 419	34	0.77	0.180	1.14	0.017	0.008	0.003	0.004	0.004	0.230	0.043	0.034	0.0027	0.028	0.039	0.018	0.0047	
14.3 Tc	227455	48 489	73 486	37	0.74	0.159	1.07	0.013	0.007	0.003	0.004	0.004	0.203	0.027	0.045	0.0023	0.022	0.022	0.012	0.0063	
			87 277																		
			89 218																		

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:

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

931

CLIENTE: TUCOTA NUMERO: FTM-44-99-2003
 CUSTOMER: NUMBER:
 PEDIDO CLIENTE / P.O. 10041 FECHA: MARZO 31, 2003
 PEDIDO INTERNO / I.O. PARTIDA (S) DATE
 40687-30 PRESION HIDROSTATICA: 58 KG CM² 820 PSI
 ANALISIS QUIMICO % EN PESO CHEMICAL ANALYSES PERCENT WEIGHT

ASTM A53-B -09