

EL M-005-7

PROCARSA, S.A. DE CV.

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

QUALITY CERTIFICATE OF TEST PHYSICAL-CHEMICAL

CLIENTE: PULSA ANAHTAC Y CIAS, S.A. DE CV.

CUSTOMER:

PEDIDO CLIENTE / P.O.

PARTIDA(S)

ITEMS

NUMERO P.I.M-60742-2005

NUMBER

FECHA

DATE

DIAMETRO : 20" ESPESOR DE PARED 0.250"

GRADO : ASTM A53-B

PRESION HIDROSTATICA : 6324-70 / 63180-10

37 Kg/cm²

520 PSI

**PRUEBAS DE TENSION
TENSILE TEST**

CHEMICAL ANALYSES PERCENT WEIGHT

MINI PROBETA DESCRIPTION	CON ADA HEAT	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG 2"	LETT TESTS	C	Min	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Cec
6-5 Tc TS	248129	58 277	70 474 73 568	37	0.83	0.152	1.10	0.012	0.007	0.002	0.004	0.003	0.200	0.030	0.026	0.0039	0.030	0.030	0.011	0.0060	
1-5 Tc TS	248130	58 464	70 701 75 574	35	0.83	0.180	1.13	0.013	0.005	0.003	0.005	0.003	0.190	0.030	0.031	0.0036	0.020	0.030	0.011	0.0070	
3-5 Tc TS	248131	54 677	71 080 73 984	37	0.77	0.174	1.10	0.011	0.006	0.003	0.004	0.003	0.190	0.020	0.028	0.0037	0.020	0.030	0.01	0.0040	
2-5 Tc TS	248132	59 944	72 205 75 575	36	0.83	0.179	1.13	0.015	0.004	0.003	0.005	0.003	0.200	0.020	0.031	0.0023	0.030	0.030	0.011	0.0050	
2.4 Tc TS	250298	57 851	71 625 74 681	35	0.81	0.150	1.09	0.010	0.009	0.002	0.004	0.003	0.170	0.020	0.041	0.0027	0.020	0.040	0.006	0.0050	
1-3 Tc TS	250299	58 419	71 733 75 023	33	0.81	0.156	1.10	0.014	0.007	0.003	0.005	0.003	0.180	0.030	0.033	0.0027	0.060	0.050	0.017	0.0060	

CERTIFICAMOS QUE LA TUBERIA ACUÍ 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:

ASTM A53-B-02

ING. FERNANDO OSORIO PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD