

PLM-005-7

PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICAL-CHEMICAL

CLIENTE: TUCOTIA
CUSTOMER:
PEDIDO CLIENTE / P.O. NUMBER
PEDIDO INTERNO / I.O. 7747
PARTIDA(S)
ITEMS
25091-30 / 27126-1 / 11270-30
FECHA / DATE
OCTUBRE 25, 2001

TAMANO 12 3/4" ESPESOR DE PARED 0.250" GRADO: ASTM A53-B PENSION HIDROSTATICA: 820 PSI
WALL THICKNESS 0.250" GRADE: ASTM A53-B PENSION HIDROSTATICA: 820 PSI

PRUEBAS DE TENSION

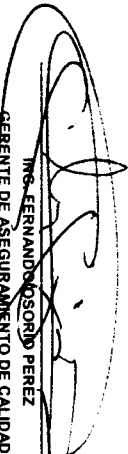
ANALISIS QUIMICO % EN PESO

NUMPROBETA DESCRIPCION	CONADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. IN 2"	LEADIT Y.P.T.S	CHEMICAL ANALYSES PERCENT WEIGHT															
						C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
2-3 Tc Ts	13141	50 829	63 192	38	0.80	0.160	0.78	0.008	0.007	0.002	0.0004	-	0.160	0.013	0.045	0.0020	0.003	0.006	0.0025	0.0026	
15-20 Tc Ts	33825	48 678	62 623	38	0.78	0.180	0.78	0.010	0.006	0.0022	0.0004	-	0.156	0.008	0.035	0.0016	0.004	0.008	0.0008	0.0025	
16-27 Tc Ts	43177	57 219	72 205	38	0.79	0.162	0.74	0.011	0.005	0.0022	0.0004	-	0.157	0.028	0.035	0.0001	0.006	0.012	0.0039	0.0036	
11-24 Tc Ts	114492	55 777	67 729	33	0.82	0.135	0.98	0.018	0.001	0.0030	0.0030	-	0.157	0.016	0.026	0.0026	0.018	0.035	0.0110	0.0043	
10-20 Tc Ts	114493	56 633	67 169	39	0.84	0.127	0.88	0.019	0.006	0.0010	0.0020	-	0.172	0.011	0.040	0.0040	0.012	0.023	0.0040	0.0029	
40-13 Tc Ts	204522	58 143	70 753	40	0.82	0.160	0.88	0.019	0.005	-	-	-	0.204	0.026	0.026	0.0026	0.031	0.034	-	0.0074	
8-1 Tc Ts	214259	59 350	76 718	38	0.88	0.131	0.91	0.016	0.008	0.0010	0.0020	-	0.155	0.012	0.038	0.0030	0.013	0.024	0.0040	0.0056	
12-2 Tc Ts	214261	55 714	73 722	36	0.82	0.138	0.90	0.014	0.005	0.0030	0.0030	-	0.202	0.012	0.032	0.0029	0.020	0.022	0.0100	0.0051	
			74 224																		

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:

ASTM


INÉS FERRNANDO SORIDO PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER