



Av. Guerrero
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Col. Del Norte
Monterrey, N.L. México
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TEL: 3035555
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CERTIFICADO DE TUBERIA

PIPE CERTIFICATE

080417

O.T. (order no.) 33456	DIAMETRO (outside diam.) 12.750"	ESPESOR (thickness) 0.225"	GRADO (grade) X42/SL/BA53B	ESPECIFICACION (specification) API 5L 43 ED/A.S.T.M.	PROCESO (process) ERW	PEDIDO (contract) 4650	O. PREPARACION (preparation order) TB-103-2008	PROVEEDOR (supplier) AHMSA	FECHA (date) 10/06/2008
			No CERTIFICADO (certificate No.):		CLIENTE (customer): PLESA ANAHUAC Y CIA. S.A. DE C.V.		DIRECCION (address): TULITILIAN, EDO. DE MEXICO, C.P. 54940		AV. VALLE DE LAS ALAMEDAS # 66-O COL. SAN FCO. CHILPAN

TUPO (type) SERIE (SERIAL)	COLADA (heat)	T L Y O P C E	PRUEBA DE TENSION (tensile test)			PRUEBA DE IMPACTO (impact test)			DWT		ANALISIS QUIMICO / chemical analysis (%)																					
			UNDADES (units) PSI (Y.S.)	ORIENTACION (orientation) TSI	TAMANO (size) 3	% EL. Y.S.T.S.	C. ORIENTACION (orientation) 1	TAMANO (size) 2	SHEAR AREA (shear)	1	2	C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Ti	Nb	B	V	N	Ais	Ca	PCM	CE		
390	274958	H 7	6	51000	72400	38	0.76				H 7	0.15	0.58	0.020	0.007	0.065	0.024	0.020	0.020	0.020	0.003	-	-	0.002	0.0001	-	-	-	-	0.001	0.23	0.29
229	175069	H 7	6	47200	71500	40	0.76				H 7	0.19	0.59	0.023	0.009	0.086	0.030	0.015	0.008	0.021	0.001	0.002	0.002	0.0002	0.003	-	-	-	-	0.001	0.23	0.30
52	175068	H 7	6	51700	71600	36	0.79				H 7	0.16	0.57	0.024	0.009	0.118	0.032	0.023	0.016	0.026	0.001	0.002	0.002	0.0002	0.003	-	-	-	-	0.003	0.22	0.29
68	174726	H 7	6	46700	65500	38	0.74				H 7	0.16	0.58	0.018	0.006	0.101	0.020	0.010	0.015	0.025	0.001	0.002	0.002	0.0002	0.003	-	-	-	-	0.002	0.25	0.32
199	174727	H 7	6	59700	73600	31	0.80				H 7	0.18	0.58	0.018	0.007	0.127	0.059	0.018	0.009	0.023	0.001	0.002	0.001	0.0004	0.001	-	-	-	-	0.003	0.21	0.28
127	175066	H 7	6	47600	65300	37	0.74				H 7	0.15	0.58	0.019	0.008	0.124	0.043	0.020	0.009	0.022	0.001	0.001	0.001	0.0003	0.001	-	-	-	-	0.003	0.21	0.25
					63600						H 7	0.19	0.58	0.020	0.008	0.121	0.044	0.013	0.020	0.024	0.001	0.002	0.002	0.0003	0.002	-	-	-	-	0.002	0.23	0.29
											P 7	0.19	0.58	0.019	0.009	0.120	0.041	0.011	0.020	0.024	0.001	0.002	0.002	0.0004	0.002	-	-	-	-	0.002	0.23	0.29

PRUEBA HIDROSTATICA (hydrostatic test)	PRESSION (pressure)	TIEMPO (time)
U.T. TRASONICOU T. (ultrasonic)	STANDARD DE REFERENCIA (REFERENCE STANDARD)	J
RAYOS X (RT) (x-ray)	PENETROMETRO (penetrometer)	N
TEMPERATURA (temperature)		1600° F MIN
UT NOTCH N-10, R1 HOLE 1/16", N-11 HOLE 2/32", R1 HOLE 2-41		

ORIENTACION (orientation)	1 TRANSVERSAL (transverse)	2 LONGITUDINAL (longitudinal)	3 RECTANGULAR (rectangular)	4 CILINDRICAL (round bar)	5 CILINDRICAL (round bar)	6 SOLDADURA (weld)	7 METAL BASE (base metal)	8 ZONA AEGTADA (h.a.z.)	9 LINEA DE FUSION (fusion line)	TIPO DE PRUEBA (type)	H COLADA (heat)	P PRODUCTO (product)	R REMUESTRO (reheat)
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CERTIFICAMOS QUE EL MATERIAL DESCRITO HA SIDO HECHO DE ACUERDO CON LA ESPECIFICACION MENCIONADA Y QUE LOS RESULTADOS SON COMO APARECEN EN ESTE CERTIFICADO. (WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE SPECIFICATION MENTIONED AND THAT THESE TEST RESULTS ARE AS APPEAR IN THIS CERTIFICATE.)

Control de Calidad (Quality Control)

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