



Ave. Guerrero
No. 3729 Int.
Col. Del Norte
Monterrey, N.L. Mexico
CP 64480
TEL:3035555
FAX:3035550

CERTIFICADO DE TUBERIA

PIPE CERTIFICATE

O.T. (order no.) 33262	DIAMETRO (outside diam.) 14.000"	ESPESOR (thickness) 0.225"	GRADO (grade) X-42 / B / A-53-B	ESPECIFICACION (specification) API 5L ED. 42 / ASTM	PROCESO (process) ERW	PEDIDO (contract) 100000849	PREPARACION (preparation order) B-191-2004	FECHA (date) 9/02/05
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No CERTIFICADO (certificate No.)	050078
CLIENTE (customer):	PLESA ANAHUAC Y CIAS., S.A. DE C.V.
DIRECCION (address):	AV. VALLE DE LAS ALAMEDAS # 66 O COL. SAN FCO. CHILPAN TULTITLAN. EDO. DE MEXICO C.P. 54940.
PROVEEDOR (supplier)	AHMSA

TUBO (pipe)	COLADA (heat)	T L O P C	PRUEBA DE TENSION (tensile test) UNIDADES (units) PSI (Y.S.)	ORIENTACION TAMAN O 3	BEND HARDNESS	PRUEBA DE IMPACTO (impact test) C ORIENTACION + (orientation)	TAMANO 1	SHEAR AREA 1 2 3 AVG	SHEAR AREA 1 2 3 AVG	GRAN SIZE T L O P C	C	Mn	P	S	SI	Al	Cu	Cr	Ni	Mo	Ti	Nb	B	V	N	Als	Ca	PCM	CE	%
289	134058	H 7 6	51415	73278						P 7	0.12	0.88	0.014	0.007	0.012	0.040	0.220	0.014	0.029	0.007	0.002	0.001	-	0.030	-	-	-	-	-	
119	134359	H 7 6	52191	74669						P 7	0.18	0.45	0.016	0.008	0.015	0.043	0.031	0.016	0.013	0.004	0.003	0.001	-	0.004	-	-	-	-	-	
2	234221	H 7 6	50485	67092						P 7	0.16	0.47	0.015	0.015	0.011	0.050	0.023	0.016	0.020	0.004	0.002	0.001	-	0.002	-	-	-	-	-	
167	234222	H 7 6	52194	79012						P 7	0.17	0.49	0.017	0.014	0.011	0.042	0.020	0.023	0.052	0.006	0.002	0.001	-	0.003	-	-	-	-	-	
199	234223	H 7	52350	64892						P 7	0.16	0.47	0.013	0.010	0.008	0.042	0.016	0.016	0.022	0.004	0.002	0.002	-	0.002	-	-	-	-	-	

PRUEBA HIDROSTATICA: (hydrostatic test)	PRESSION (pressure)	1150 psi	TIEMPO (time)	10 sec
UTRASONIDO (UT) (ultrasonic)	STANDARD DE REFERENCIA REFERENCE STANDARD	G		
RAYOS-X (RT) (x-ray)	PENETROMETRO (penetrometer)	N/A		
NORMALIZADO DE SOLDADURA (heat treatment weld)	TEMPERATURA (temperature)	1600° F		
REFERENCE STANDARD F: UT DRILLED HOLE 1/16" G: UT DRILLED HOLE 1/8" U: UT NOTCH N: J: UT NOTCH V: L: RT HOLE 1/16" N: RT HOLE 2:2T O: RT HOLE 2:4T				

CERTIFICAMOS QUE EL MATERIAL DESCRITO HA SIDO HECHO DE ACUERDO CON LA ESPECIFICACION MENCIONADA, Y QUE LOS RESULTADOS SON COMO APARECEN EN LOS REGISTROS DE LA COMPAÑIA.
(WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE SPECIFICATION MENTIONED AND THAT THESE TEST RESULT ARE AS THEY APPEAR IN RECORDS OF THE COMPANY)

Control de Calidad (Quality Control)

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F-TUME-013