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CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST AND ANALYSIS

No. Certificado / Certificate No:	125937 - 21660832
Fecha / Date:	09/08/2018

Hecho en México / Made in Mexico

DATOS DEL CLIENTE / SOLD TO		CLIENTE CONSIGNADO / SHIP TO		DATOS DEL EMBARQUE / SHIPPING INFORMATION	
Cliente / Customer: PLESA ANAHUAC Y CIAS SA DE CV		Cliente / Customer: MATRIZ TULTITLAN		Núm. Viaje / Travel No: 125937	
Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 SAN FRANCISCO CHILPAN		Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 66 SAN FRANCISCO CHILPAN		Núm. Factura / Invoice No: FQ70141	
Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO	Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO	Pedido / Customer Order No: 21660832	
Teléfono / Phone: 10838570		País / Country: MEXICO C.P./ZIP 54940		Núm. Plan / Shipping Plan: 134694	
Correo Electrónico / eMail:				Fecha Embarque / Date: 09/08/2018	
				Orden de Compra / Purchase Order: 27221	

COMPOSICIÓN QUÍMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT)																		
Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	% C	% Mn	% Si	% P	% S	% Cu	% Cr	% Ni	% Mo	% Sn	% Ti	% V	PPM Nb	PPM N	CE
				AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG
30856	37545	60232	SOLERA 3" x 1/4" A-36 P 6.10m 2.0T	0.20	0.92	0.22	0.008	0.008	0.19	0.06	0.05	0.017	0.011	0.011	0.015	80	86	0.36
30848	37665	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	0.20	0.91	0.21	0.007	0.012	0.20	0.05	0.05	0.015	0.010	0.009	0.015	80	84	0.36
30851	37664	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	0.21	0.91	0.21	0.008	0.010	0.19	0.08	0.06	0.019	0.010	0.008	0.013	80	86	0.00
30883	37663	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	0.22	0.91	0.22	0.007	0.011	0.18	0.09	0.06	0.019	0.008	0.010	0.012	86	96	0.38
27934	35663	10504	CANAL 10" x 30 A36/A572-50 12.20m 4.0T	0.08	1.01	0.23	0.006	0.010	0.12	0.03	0.06	0.010	0.017	0.010	0.006	306	86	0.25
30408	37562	10504	CANAL 10" x 30 A36/A572-50 12.20m 4.0T	0.07	1.00	0.22	0.008	0.009	0.10	0.04	0.03	0.010	0.007	0.010	0.004	303	88	0.24

PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES												
Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT kg/mm²	TS PSI	% Elong / Elong	LF kg/mm²	YS PSI	P. Doblez / Bend Test	
						AVG	AVG	AVG	AVG	AVG		
30856	37545	60232	SOLERA 3" x 1/4" A-36 P 6.10m 2.0T	3" x 1/4"	8	44.4	63195.4	30.5	30.5	43401.5	Cumple / Successfully	
30848	37665	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	4" x 1/4"	1	41.4	59040.2	30.5	33.8	48211.2	Cumple / Successfully	
30851	37664	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	4" x 1/4"	4	43.2	61516.2	30.5	34.3	48837.3	Cumple / Successfully	
30883	37663	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	4" x 1/4"	1	43.2	61573.2	30.5	31.2	44482.9	Cumple / Successfully	
27934	35663	10504	CANAL 10" x 30 A36/A572-50 12.20m 4.0T	10" x 30	1	51.7	73682.9	30.5	37.4	53220.2	Cumple / Successfully	
30408	37562	10504	CANAL 10" x 30 A36/A572-50 12.20m 4.0T	10" x 30	1	54.3	77368.5	29.1	39.9	56834.6	Cumple / Successfully	



Certificamos que este material ha sido producido, inspeccionado y probado de acuerdo a las normas de fabricación del acero aplicables a la ASTM A36-2008, A529-2005 (re aprobada el 2009), A572-2012 y A992-2011 y a las normas dimensionales NMX B252, ASTM A6/A6M-2012. / We certify that this material has been produced, inspected and tested according to standards applicable steelmaking to ASTM A36-2008, A529-2005 (Reapproved 2009), A572-2012 y A992-2011, and the dimensional standards NMX B252, ASTM A6/A6M-2012.

GUSTAVO GABRIEL MANCILLA GARZA
 Gerente de Aseguramiento de Calidad / Quality Assurance Manager

