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CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST AND ANALYSIS

No. Certificado / Certificate No:	146160 - 22138717
Fecha / Date:	08/06/2019

Hecho en México / Made in Mexico

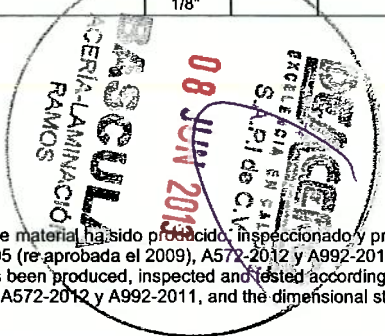
DATOS DEL CLIENTE / SOLD TO		CLIENTE CONSIGNADO / SHIP TO	DATOS DEL EMBARQUE / SHIPPING INFORMATION
Cliente / Customer: PLESA ANAHUAC Y CIAS SA DE CV		Cliente / Customer: MATRIZ TULTITLAN	Núm. Viaje / Travel No: 146160
Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 SAN FRANCISCO CHILPAN		Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 66 SAN FRANCISCO CHILPAN	Núm. Factura / Invoice No: FQ84779
Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO	Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO
Teléfono / Phone: 10838570	País / Country: MEXICO C.P./ZIP 54940		Pedido / Customer Order No: 22138717
Correo Electrónico / eMail:			Núm. Plan / Shipping Plan: 155899
			Fecha Embarque / Date: 08/06/2019
			Orden de Compra / Purchase Order: 28443

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
34210	1194	60230	SOLERA 2" x 3/8" A-36 P 6.10m 2.0T	0.21	0.74	0.23	0.008	0.006	0.24	0.08	0.09	0.028	0.011	0.001	0.003	26	86	0.35
34067	40532	64864	SOLERA 6" x 3/8" A36/529-50 6.10m 2.0T	0.22	0.76	0.23	0.007	0.007	0.24	0.06	0.08	0.023	0.012	0.001	0.004	16	82	0.36
34068	40531	64864	SOLERA 6" x 3/8" A36/529-50 6.10m 2.0T	0.21	0.73	0.22	0.008	0.004	0.22	0.06	0.08	0.021	0.012	0.001	0.004	18	86	0.35
35900	42020	64864	SOLERA 6" x 3/8" A36/529-50 6.10m 2.0T	0.20	0.76	0.21	0.008	0.016	0.30	0.06	0.10	0.025	0.019	0.001	0.001	8	90	0.35
35203	1602	60289	ANGULO LI 2" x 2" x 1/8" A-36 P 6.10m 2.0T	0.21	0.71	0.18	0.007	0.017	0.19	0.05	0.08	0.020	0.008	0.001	0.004 4	10	90	0.34

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	
34210	1194	60230	SOLERA 2" x 3/8" A-36 P 6.10m 2.0T	2" x 3/8"	2	46.5	66197.9	24.7	29.9	42661.5	Cumple / Successfully
34067	40532	64864	SOLERA 6" x 3/8" A36/529-50 6.10m 2.0T	6" x 3/8"	2	53.1	75646.6	30.5	37.2	53035.2	Cumple / Successfully
34068	40531	64864	SOLERA 6" x 3/8" A36/529-50 6.10m 2.0T	6" x 3/8"	2	53.1	75646.6	30.5	37.2	53035.2	Cumple / Successfully
35900	42020	64864	SOLERA 6" x 3/8" A36/529-50 6.10m 2.0T	6" x 3/8"	1	52.7	74992.1	32.1	37.0	52651.0	Cumple / Successfully
35203	1602	60289	ANGULO LI 2" x 2" x 1/8" A-36 P 6.10m 2.0T	2" x 2" x 1/8"	2	54.3	77354.2	31.8	37.8	53817.8	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.



JUAN ALEJANDRO GALVAN GARCIA
 Gerente de Aseguramiento de Calidad / Quality Assurance Manager