



EXCELENCIA EN CALIDAD
 Acria Ramos Arizpe
 CARRETERA MONCLOVA KM 4 NUMERO 2125
 TRAMO SANTA CRUZ OJO CALIENTE
 C.P./ZIP RAMOS ARIZPE, COAHUILA
 Tel/Phone (+52) 01 818 368 1111
 MX 01 800 021 3322, USA 1800 332 2376

CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST AND ANALYSIS

No. Certificado / Certificate No.	102944 - 21191819
Fecha / Date	29/08/2017

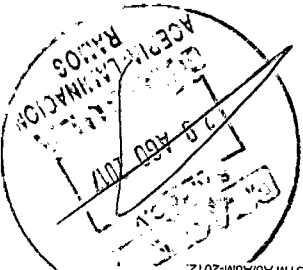
DATOS DEL CLIENTE / SOLD TO		CLIENTE CONSIGNADO / SHIP TO	
Cliente / Customer: FORTACERO SA DE CV		Cliente / Customer: FORTACERO MONTERREY	
Direccion / Address: BLVD CARLOS S G KM. 8.8 - -		Direccion / Address: BLVD. CARLOS SALINAS DE GORTARI KM 8.8 -	
Ciudad / City: APODACA		Ciudad / City: APODACA	
Estado / State: NL.		Estado / State: NL.	
Telefono / Phone: 818-156-5200		Pedido / Customer Order No: 21191819	
Correo Electronico / eMail: karia.zapata@fortacero.com/miguel.herrera@fortacer		Nim. Plan / Shipping Plan: 109828	
		Fecha Embarque / Date: 29/08/2017	
		Orden de Compra / Purchase Order: 4500153339	

Hecho en Mexico / Made in Mexico

COMPOSICION QUIMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT)																
Cola / Sequencia / Code	Cola / Sequencia / Code	Producto / Description of Goods	% C	% Mn	% Si	% P	% S	% Cu	% Cr	% Ni	% Mo	% Sn	% Ti	PPM Nb	PPM N	CE
24450	31553	CANAL 10" x 15.3 A36/A572-50 6.10m 2.0T	0.22	0.90	0.21	0.007	0.10	0.04	0.05	0.015	0.006	0.009	0.012	103	89	0.38
24450	31554	CANAL 10" x 15.3 A36/A572-50 6.10m 2.0T	0.22	0.90	0.21	0.007	0.10	0.04	0.05	0.015	0.006	0.009	0.012	103	89	0.38

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES														
Cola / Sequencia / Code	Cola / Sequencia / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT	TS	% Elong	LF	YS	P. Doble / Bend Test	Cumple / Successfully	Cumple / Successfully	Cumple / Successfully	Cumple / Successfully
24450	31553	CANAL 10" x 15.3 A36/A572-50 6.10m 2.0T	10" x 15.3	11	52.0	74052.9	31.6	37.7	53746.7	YS	53149.0	37.3	34.0	76657.0
24450	31554	CANAL 10" x 15.3 A36/A572-50 6.10m 2.0T	10" x 15.3	7	53.8	76657.0	34.0	37.3	53149.0	YS	53149.0	37.3	34.0	76657.0

Certificamos que este material ha sido producido, inspeccionado y probado de acuerdo a las normas de fabricacion 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.



FRANCISCO JAVIER VARGAS SOTO
 Gerente de Aseguramiento de Calidad / Quality Assurance Manager

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