



Aceria 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:	177727 - 22742224
Fecha / Date:	07/07/2020

Hecho en México / Made in Mexico

DATOS DEL CLIENTE / SOLD TO	CLIENTE CONSIGNADO / SHIP TO	DATOS DEL EMBARQUE / SHIPPING INFORMATION
Cliente / Customer: ACEROS TEPOTZOTLAN SA DE CV	Cliente / Customer: ACEROS TEPOSOTLAN SA DE CV	Núm. Viaje / Travel No: 177727
Dirección / Address: CARR MEXICO QUERETARO KM 37.5 SN PARQUE INDUSTRIAL CUAMATLA	Dirección / Address: CARRETERA MEXICO.QUERETARO KM 37.5 -	Núm. Factura / Invoice No: FQ107306
Ciudad / City: CUAUTITLAN IZCALLI Estado / State: EDO. DE MEXICO	Ciudad / City: CUAUTITLAN IZCALLI Estado / State: EDO. DE MEXICO	Pedido / Customer Order No: 22742224
Teléfono / Phone: 58727600 País / Country: MEXICO C.P./ZIP 54730		Núm. Plan / Shipping Plan: 189655
Correo Electrónico / eMail: manuel.ruiz@acerostepotzotlan.com.mx		Fecha Embarque / Date: 07/07/2020
		Orden de Compra / Purchase Order: 002-002803

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	PPM Nb	PPM N
				AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG
41682	5120	13157	REDONDO S 3/4" A-36 6.10m 1.5T	0.16	0.70	0.22	0.010	0.019	0.28	0.09	0.07	0.025	0.010	0.001	22	88
41683	5119	13157	REDONDO S 3/4" A-36 6.10m 1.5T	0.13	0.66	0.20	0.011	0.008	0.25	0.10	0.08	0.027	0.009	0.001	23	92
41684	5115	13157	REDONDO S 3/4" A-36 6.10m 1.5T	0.14	0.69	0.20	0.012	0.005	0.30	0.12	0.12	0.036	0.010	0.001	24	85
41684	5117	13157	REDONDO S 3/4" A-36 6.10m 1.5T	0.14	0.69	0.20	0.012	0.005	0.30	0.12	0.12	0.036	0.010	0.001	24	85
41684	5118	13157	REDONDO S 3/4" A-36 6.10m 1.5T	0.14	0.69	0.20	0.012	0.005	0.30	0.12	0.12	0.036	0.010	0.001	24	85
42372	46902	10500	CANAL 10" x 20 A36/A572-50 12.20m 4.0T	0.07	1.00	0.23	0.010	0.007	0.09	0.06	0.042	0.014	0.006	0.011	304	94

PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES											
Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT	TS	% Elong / Elong	LF	YS	P. Doble / Bend Test
						kg/mm ²	PSI	AVG	kg/mm ²	PSI	
41682	5120	13157	REDONDO S 3/4" A-36 6.10m 1.5T	3/4"	1	43.94	62538.00	32.38	32.52	46278.80	Cumple / Successfully
41683	5119	13157	REDONDO S 3/4" A-36 6.10m 1.5T	3/4"	2	43.94	62538.00	32.38	32.52	46278.80	Cumple / Successfully
41684	5115	13157	REDONDO S 3/4" A-36 6.10m 1.5T	3/4"	2	48.67	69267.37	34.74	34.71	49402.29	Cumple / Successfully
41684	5117	13157	REDONDO S 3/4" A-36 6.10m 1.5T	3/4"	6	47.67	67834.41	30.61	34.72	49406.56	Cumple / Successfully
41684	5118	13157	REDONDO S 3/4" A-36 6.10m 1.5T	3/4"	7	43.94	62538.00	32.38	32.52	46278.80	Cumple / Successfully
42372	46902	10500	CANAL 10" x 20 A36/A572-50 12.20m 4.0T	10"	6	52.38	74541.00	30.19	37.79	53787.97	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