



EXCELENCIA EN CALIDAD

**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:	115409 - 21480751
Fecha / Date:	02/04/2018

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: 115409	
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: FQ64523	
Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO	Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO	Pedido / Customer Order No: 21480751
Teléfono / Phone: 10838570		Pais / Country: MEXICO C.P./ZIP 54940		Núm. Plan / Shipping Plan: 123743
Correo Electrónico / eMail:		Fecha Embarque / Date: 02/04/2018		
		Orden de Compra / Purchase Order: 26714		

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	AVG
27877	35305	60233	SOLERA 3" x 3/8" A-36 P 6.10m 2.0T	0.20	0.90	0.22	0.006	0.010	0.18	0.05	0.08	0.016	0.009	0.009	0.015	106	92	0.36	
28340	35896	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	0.22	0.90	0.18	0.006	0.005	0.17	0.05	0.07	0.013	0.008	0.008	0.013	80	98	0.38	
28608	35905	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	0.20	0.90	0.21	0.004	0.005	0.17	0.06	0.09	0.023	0.008	0.008	0.015	112	71	0.37	
28351	35880	60239	SOLERA 4" x 3/8" A-36 P 6.10m 2.0T	0.21	0.91	0.21	0.007	0.006	0.20	0.09	0.10	0.020	0.012	0.008	0.012	80	95	0.38	
28354	35876	60239	SOLERA 4" x 3/8" A-36 P 6.10m 2.0T	0.20	0.90	0.18	0.005	0.006	0.20	0.06	0.08	0.017	0.009	0.008	0.012	80	99	0.36	
26680	34390	60288	ANGULO LI 1 1/2" x 1 1/2" x 1/4" A-36 P 6.10m 2.0T	0.21	0.75	0.19	0.009	0.015	0.25	0.10	0.10	0.020	0.016	0.001	0.004 2	26	92	0.35	
26681	34389	60288	ANGULO LI 1 1/2" x 1 1/2" x 1/4" A-36 P 6.10m 2.0T	0.21	0.74	0.20	0.010	0.009	0.25	0.10	0.10	0.024	0.012	0.001	0.005 2	34	94	0.36	
19644	27308	60289	ANGULO LI 2" x 2" x 1/8" A-36 P 6.10m 2.0T	0.22	0.78	0.18	0.016	0.004	0.14	0.15	0.06	0.015	0.007	0.001	0.004 2	22	93	0.37	

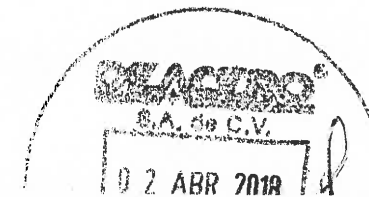
PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES												
Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT	TS	% Elong / Elong	LF	YS	P. Doblez / Bend Test	
						kg/mm²	PSI	AVG	kg/mm²	PSI	AVG	
27877	35305	60233	SOLERA 3" x 3/8" A-36 P 6.10m 2.0T	3" x 3/8"	2	42.8	60989.7	30.5	28.0	39972.0	Cumple / Successfully	
28340	35896	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	4" x 1/4"	2	43.4	61843.5	30.5	28.2	40228.2	Cumple / Successfully	
28608	35905	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	4" x 1/4"	2	51.7	73668.7	34.8	36.4	51911.0	Cumple / Successfully	
28351	35880	60239	SOLERA 4" x 3/8" A-36 P 6.10m 2.0T	4" x 3/8"	3	48.4	68972.8	24.7	31.3	44667.9	Cumple / Successfully	
28354	35876	60239	SOLERA 4" x 3/8" A-36 P 6.10m 2.0T	4" x 3/8"	1	47.1	67108.6	24.7	29.6	42177.7	Cumple / Successfully	
26680	34390	60288	ANGULO LI 1 1/2" x 1 1/2" x 1/4" A-36 P 6.10m 2.0T	1 1/2" x 1 1/2" x 1/4"	1	42.2	60050.6	30.5	28.8	41110.4	Cumple / Successfully	
26681	34389	60288	ANGULO LI 1 1/2" x 1 1/2" x 1/4" A-36 P 6.10m 2.0T	1 1/2" x 1 1/2" x 1/4"	4	42.0	59766.0	30.5	34.2	48751.9	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 and A992-2011, and the dimensional standards NMX B252, ASTM A6/A6M-2012.



*[Handwritten Signature]*

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





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Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT kg/mm <sup>2</sup>	TS PSI	% Elong / Elong	LF kg/mm <sup>2</sup>	YS PSI	P. Doble / Bend Test
						AVG	AVG	AVG	AVG	AVG	
19644	27308	60289	ANGULO L1 2" x 2" x 1/8" A-36 P 6.10m 2.0T	2" x 2" x 1/8"	5	44.7	63679.2	22.7	38.4	54643.2	Cumple / Successfully



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