



**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**

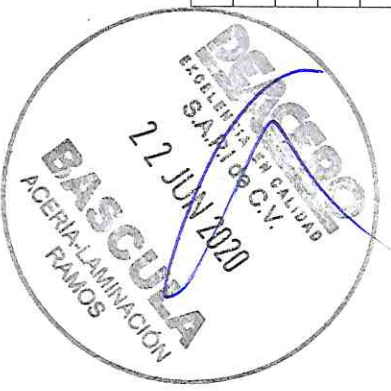
No. Certificado / Certificate No:	176542 - 22711560
Fecha / Date:	22/06/2020

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 CIASSA DE CV	Cliente / Customer:	MATRIZ TULTITLAN	Núm. Viaje / Travel No:	176542
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:	FQ106541
Ciudad / City:	TULTITLAN	Ciudad / City:	TULTITLAN	Pedido / Customer Order No:	22711560
Teléfono / Phone:	108388570	Estado / State:	EDO. DE MEXICO	Núm. Plan / Shipping Plan:	188424
Correo Electrónico / Email:	rcbaillos@pleasa.com.mx	Pais / Country:	MEXICO C.P./ZIP 54940	Fecha Embarque / Date:	22/06/2020
				Orden de Compra / Purchase Order:	29875

COMPOSICION QUIMICA / 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
43580	7165	22237	SOLERA 2" x 3/16" A-36 6.10m 2.0T NMX B252/ASTM A6	0.20	0.75	0.22	0.013	0.003	0.28	0.07	0.09	0.024	0.010	0.000	0.003	8	88	0.35
43707	47851	60297	ANGULO L 4" x 4" x 1/4" A-36 P 6.10m 2.0T	0.21	0.70	0.20	0.013	0.006	0.26	0.09	0.09	0.022	0.012	0.001	0.004	12	99	0.34
43708	47850	60297	ANGULO L 4" x 4" x 1/4" A-36 P 6.10m 2.0T	0.21	0.73	0.19	0.014	0.010	0.25	0.07	0.09	0.022	0.009	0.000	0.003	10	96	0.35
43702	47889	60299	ANGULO L 4" x 4" x 3/8" A-36 P 6.10m 2.0T	0.09	1.28	0.22	0.010	0.008	0.13	0.04	0.04	0.013	0.006	0.008	0.004	488	90	0.31
43708	47867	60353	ANGULO L 4" x 4" x 5/16" A36/529-50 12.20m 4.0T	0.21	0.73	0.19	0.014	0.010	0.25	0.07	0.09	0.022	0.009	0.000	0.003	10	96	0.35

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES												
Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT AVG	TS AVG	% Elong / Elong	LF AVG	YS AVG	P Doble / Bend Test	
43580	7165	22237	SOLERA 2" x 3/16" A-36 6.10m 2.0T NMX B252/ASTM A6	2" x 3/16"	3	51.7	73637.4	30.4	45.2	64322.4	Cumple / Successfully	
43707	47851	60297	ANGULO L 4" x 4" x 1/4" A-36 P 6.10m 2.0T	4" x 4" x 1/4"	3	44.9	64016.5	30.3	29.2	41661.1	Cumple / Successfully	
43708	47850	60297	ANGULO L 4" x 4" x 1/4" A-36 P 6.10m 2.0T	4" x 4" x 1/4"	4	44.9	63965.2	33.2	28.5	40619.5	Cumple / Successfully	
43702	47889	60299	ANGULO L 4" x 4" x 3/8" A-36 P 6.10m 2.0T	4" x 4" x 3/8"	5	50.6	72104.8	32.8	38.6	54937.7	Cumple / Successfully	
43708	47867	60353	ANGULO L 4" x 4" x 5/16" A36/529-50 12.20m 4.0T	4" x 4" x 5/16"	1	53.1	75658.0	32.6	39.9	56907.1	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/AGM-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/AGM-2012.



*Juan Alejandro Galvan Garcia*

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



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CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST  
 AND ANALYSIS

No. Certificado / Certificate No:	176536 - 22711560
Fecha / Date:	22/06/2020

Hecho en México / Made in Mexico

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES

Cola / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT kg/mm <sup>2</sup> AVG	TS PSI AVG	% Elong / AVG	LF kg/mm <sup>2</sup> AVG	YS PSI AVG	P. Doble / Bend Test
43580	7165	22237	SOLEIRA 2" x 3/16" A-36 6.10m 2.0T NMX B252/ASTM A6	2" x 3/16"	2	51.7	73637.4	30.4	45.2	64322.4	Cumple / Successfully
43693	7151	60230	SOLEIRA 2" x 3/8" A-36 6.10m 2.0T NMX B252/ASTM A6	2" x 3/8"	1	53.6	76284.1	23.7	37.1	52818.9	Cumple / Successfully
43693	7152	60230	SOLEIRA 2" x 3/8" A-36 6.10m 2.0T NMX B252/ASTM A6	2" x 3/8"	5	53.6	76305.5	24.0	36.3	51689.0	Cumple / Successfully
43694	7150	60230	SOLEIRA 2" x 3/8" A-36 6.10m 2.0T NMX B252/ASTM A6	2" x 3/8"	1	53.3	75884.3	24.0	37.0	52763.4	Cumple / Successfully
43348	47646	17078	ANGULO L1 3" x 3" x 1/2" A36/529-50 6.10m 2.0T	3" x 3" x 1/2"	1	50.0	71192.6	30.5	36.3	51723.2	Cumple / Successfully
43348	47647	17078	ANGULO L1 3" x 3" x 1/2" A36/529-50 6.10m 2.0T	3" x 3" x 1/2"	1	52.8	75221.2	32.9	39.5	56258.3	Cumple / Successfully
43162	15822	78326	ANGULO L1 3/4" x 3/4" x 1/8" A- 36 P 6.00m 1.1T	3/4" x 3/4" x 1/8"	2	41.2	58740.0	30.6	33.1	47193.7	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 aplicables de fabricación de acero laminado a la ASTM A36-2008, A529-2005 (re aprobada el 2009), A572-2012 y A992-2011, and the dimensional standards 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.



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