



**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:	149629 - 22209098
Fecha / Date:	19/07/2019

**EXCELENCIA EN CALIDAD**

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: 149629
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: FQ87028
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	
Correo Electrónico / eMail:		Pedido / Customer Order No: 22209098	
		Núm. Plan / Shipping Plan: 160234	
		Fecha Embarque / Date: 19/07/2019	
		Orden de Compra / Purchase Order: 28657	

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
36488	42357	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	0.22	0.79	0.19	0.014	0.010	0.27	0.16	0.08	0.018	0.012	0.001	0.006	12	92	0.38
36492	42351	60239	SOLERA 4" x 3/8" A-36 P 6.10m 2.0T	0.23	0.74	0.21	0.008	0.011	0.24	0.11	0.09	0.022	0.015	0.001	0.005	14	86	0.37
36493	42349	60239	SOLERA 4" x 3/8" A-36 P 6.10m 2.0T	0.22	0.74	0.23	0.008	0.004	0.21	0.11	0.09	0.022	0.012	0.001	0.005	12	82	0.36
35901	42018	60244	SOLERA 6" x 1/2" A-36 P 6.10m 2.0T	0.20	0.75	0.19	0.009	0.018	0.29	0.08	0.09	0.023	0.026	0.001	0.000	1	86	0.34
35902	42017	60244	SOLERA 6" x 1/2" A-36 P 6.10m 2.0T	0.21	0.75	0.22	0.009	0.015	0.28	0.07	0.10	0.027	0.016	0.001	0.001	2	93	0.36
36815	2115	64736	ANGULO LI 1 1/4" x 1 1/4" x .109" A-36 P 6.00m 1.1T	0.22	0.91	0.19	0.009	0.015	0.12	0.04	0.05	0.011	0.011	0.008	0.0064	268	98	0.38
36371	42290	60292	ANGULO LI 2 1/2" x 2 1/2" x 3/16" A-36 P 6.10m 2.0T	0.21	0.72	0.21	0.009	0.006	0.25	0.11	0.09	0.020	0.009	0.001	0.0051	10	90	0.35
36524	42450	60391	CANAL 4" x 4.5 A-36 P 6.10m 2.0T	0.20	0.70	0.19	0.007	0.009	0.20	0.10	0.08	0.017	0.007	0.001	0.004	7	94	0.34
34911	41309	60393	CANAL 6" x 10.5 A-36 P 6.10m 2.0T	0.21	0.93	0.20	0.011	0.008	0.17	0.04	0.06	0.016	0.008	0.010	0.006	276	86	0.38
36351	42252	60393	CANAL 6" x 10.5 A-36 P 6.10m 2.0T	0.22	0.74	0.20	0.008	0.012	0.26	0.06	0.08	0.021	0.012	0.001	0.004	12	94	0.36
36351	42253	60393	CANAL 6" x 10.5 A-36 P 6.10m 2.0T	0.22	0.74	0.20	0.008	0.012	0.26	0.06	0.08	0.021	0.012	0.001	0.004	12	94	0.36

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/mm²	PSI	AVG	kg/mm²	PSI	AVG
36488	42357	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	4" x 1/4"	2	52.5	74750.1	31.0	37.3	53177.5	Cumple / Successfully
36492	42351	60239	SOLERA 4" x 3/8" A-36 P 6.10m 2.0T	4" x 3/8"	1	52.7	75049.0	34.8	28.3	40384.7	Cumple / Successfully
36493	42349	60239	SOLERA 4" x 3/8" A-36 P 6.10m 2.0T	4" x 3/8"	1	54.5	77667.3	33.0	28.1	40085.9	Cumple / Successfully
35901	42018	60244	SOLERA 6" x 1/2" A-36 P 6.10m 2.0T	6" x 1/2"	1	51.9	73981.7	30.9	36.6	52195.6	Cumple / Successfully
35902	42017	60244	SOLERA 6" x 1/2" A-36 P 6.10m 2.0T	6" x 1/2"	1	51.1	72729.5	32.8	36.7	52238.3	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*

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



EXCELENCIA EN CALIDAD

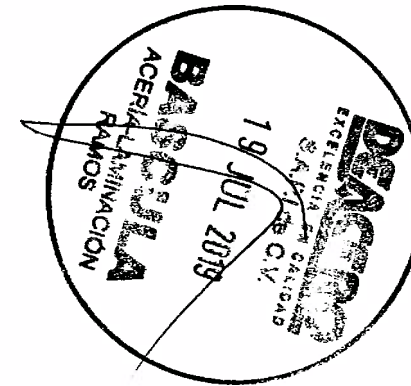
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Table with 2 columns: Field (No. Certificado / Certificate No., Fecha / Date) and Value (149629 - 22209098, 19/07/2019)

Hecho en México / Made in Mexico

Table with 12 columns: 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. Contains 6 rows of test data.



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Handwritten signature of Juan Alejandro Galvan Garcia

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