



**Aceria Ramos Arizpe**  
 CARRETERA MONCI OVA 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.: 192311 - 22984055  
 Fecha / Date: 10/01/2021

Hecho en México / Made in Mexico

**DATOS DEL CLIENTE / SOLD TO**

Cliente / Customer: PLESA ANAHUAC Y CIAS SA DE CV  
 Direccion / Address: AV VALLE DE LAS ALAMEDAS 66 0 SAN FRANCISCO CHILPAN  
 Ciudad / City: TULTITLAN Estado / State: EDO. DE MEXICO  
 Telefono / Phone: 10838570 Pais / Country: MEXICO C.P./ZIP 54940  
 Correo Electronico / Email: rceballos@pleasa.com.mx

**CLIENTE CONSIGNADO / SHIP TO**

Cliente / Customer: MATRIZ TULTITLAN  
 Direccion / Address: AV VALLE DE LAS ALAMEDAS 66 0 66 SAN FRANCISCO CHILPAN  
 Ciudad / City: TULTITLAN Estado / State: EDO. DE MEXICO

**DATOS DEL EMBARQUE / SHIPPING INFORMATION**

Num. Viaje / Travel No.: 192311  
 Num. Factura / Invoice No.: F0117180  
 Pedido / Customer Order No.: 22984055  
 Num. Plan / Shipping Plan: 209284  
 Fecha Embarque / Date: 10/01/2021  
 Orden de Compra / Purchase Order: 30489

**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		
				AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG					
46935	17017	79678	REDONDO S 3/8" A-36 6.10m 1.5T	0.15	0.51	0.13	0.007	0.005	0.28	0.10	0.08	0.025	0.012	0.000	0.002	2	98	98	0.25													
46951	17052	79678	REDONDO S 3/8" A-36 6.10m 1.5T	0.15	0.66	0.20	0.007	0.009	0.34	0.09	0.09	0.029	0.015	0.001	0.010	10	94	94	0.31													
47017	10490	60223	SOLEIRA 1" x 1/4" A-36 6.10m 2.0T NMX B252/ASTM A6	0.22	0.77	0.23	0.007	0.003	0.25	0.06	0.09	0.021	0.011	0.001	0.004	6	87	87	0.36													
46759	10411	64982	SOLEIRA 2" x 1/2" A-36 6.10m 2.0T NMX B252/ASTM A6	0.20	0.91	0.21	0.005	0.004	0.23	0.10	0.08	0.025	0.011	0.011	0.011	105	86	86	0.37													
47072	52003	64884	SOLEIRA 6" x 3/8" A36/529-50 6.10m 2.0T NMX B252/ASTM A6	0.21	0.72	0.19	0.010	0.011	0.19	0.09	0.06	0.023	0.008	0.001	0.003	6	80	80	0.34													
47072	52004	64884	SOLEIRA 6" x 3/8" A36/529-50 6.10m 2.0T NMX B252/ASTM A6	0.21	0.72	0.19	0.010	0.011	0.19	0.09	0.06	0.023	0.008	0.001	0.003	6	80	80	0.34													
47065	51983	60275	SOLEIRA 6" x 5/8" A36/529-50 6.10m 2.0T NMX B252/ASTM A6	0.21	0.75	0.21	0.009	0.005	0.21	0.10	0.07	0.025	0.008	0.001	0.006	10	90	90	0.35													

**PROPIEDADES MECANICAS / MECHANICAL PROPERTIES**

Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT / kg/mm <sup>2</sup>	TS / PSI	% Elong / Avg	LF / kg/mm <sup>2</sup>	YS / PSI	P. Doblez / Bend Test
46935	17017	79678	REDONDO S 3/8" A-36 6.10m 1.5T	3/8"	1	51.2	72968.5	34.8	34.8	49578.7	Cumple / Successfully
46951	17052	79678	REDONDO S 3/8" A-36 6.10m 1.5T	3/8"	1	47.0	66970.6	34.8	34.5	49139.0	Cumple / Successfully
47017	10490	60223	SOLEIRA 1" x 1/4" A-36 6.10m 2.0T NMX B252/ASTM A6	1" x 1/4"	1	51.6	73534.9	30.7	27.6	39338.8	Cumple / Successfully
46759	10411	64982	SOLEIRA 2" x 1/2" A-36 6.10m 2.0T NMX B252/ASTM A6	2" x 1/2"	1	50.8	72338.2	34.8	43.7	62303.2	Cumple / Successfully
47072	52003	64884	SOLEIRA 6" x 3/8" A36/529-50 6.10m 2.0T NMX B252/ASTM A6	6" x 3/8"	1	53.1	75582.6	30.5	38.1	54239.0	Cumple / Successfully
47072	52004	64884	SOLEIRA 6" x 3/8" A36/529-50 6.10m 2.0T NMX B252/ASTM A6	6" x 3/8"	1	53.2	75719.2	30.1	38.0	54115.2	Cumple / Successfully
47065	51983	60275	SOLEIRA 6" x 5/8" A36/529-50 6.10m 2.0T NMX B252/ASTM A6	6" x 5/8"	2	52.0	74111.2	30.5	38.0	54150.8	Cumple / Successfully

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 A6/6M-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 A6/6M-2012.



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





EXCELENCIA EN CALIDAD

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No. Certificado / Certificate No:	192311 - 22984055
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Hecho en México / Made in Mexico

OTROS DATOS ADICIONALES / ADDITIONAL INFORMATION

Acero fundido y colado en: México / Steel melted  
and poured in Mexico



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.



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Assurance Manager



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