



Aceria Ramos Arizpe
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**CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST
 AND ANALYSIS**

No. Certificado / Certificate No:	120140 - 21555189
Fecha / Date:	30/05/2018

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: PLESA ANAHUAC Y CIAS SA DE CV	Núm. Viaje / Travel No: 120140
Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 SAN FRANCISCO CHILPAN		Dirección / Address: CALLE AVE VALLE DE LAS ALAMEDAS NO. 66-O SAN FRANCISCO CHILPAN	Núm. Factura / Invoice No: FQ67034
Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO	Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO
Teléfono / Phone: 10838570	Pais / Country: MEXICO C.P./ZIP 54940		Pedido / Customer Order No: 21555189
Correo Electrónico / eMail:			Núm. Plan / Shipping Plan: 128640
			Fecha Embarque / Date: 30/05/2018
			Orden de Compra / Purchase Order: 26905

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
29906	36775	63093	VIGA S 4" x 7.7 A36/A572-50 12.20m 4.0T	0.20	0.91	0.20	0.008	0.004	0.16	0.06	0.06	0.018	0.009	0.008	0.012	96	72	0.00	
29898	36786	63092	VIGA S 4" x 7.7 A36/A572-50 6.10m 2.0T	0.21	0.93	0.22	0.007	0.003	0.20	0.06	0.08	0.020	0.010	0.009	0.012	103	84	0.00	
29435	36435	63098	VIGA S 5" x 10.0 A36/A572-50 12.20m 4.0T	0.21	0.91	0.21	0.005	0.008	0.15	0.05	0.05	0.013	0.007	0.008	0.015	80	92	0.00	
29585	36629	63103	VIGA S 6" x 12.5 A36/A572-50 12.20m 4.0T	0.20	0.92	0.20	0.009	0.011	0.18	0.05	0.07	0.019	0.008	0.009	0.015	82	93	0.00	
29583	36633	63102	VIGA S 6" x 12.5 A36/A572-50 6.10m 2.0T	0.21	0.93	0.21	0.008	0.011	0.17	0.06	0.06	0.020	0.010	0.009	0.015	80	94	0.00	
29584	36632	63102	VIGA S 6" x 12.5 A36/A572-50 6.10m 2.0T	0.21	0.94	0.22	0.008	0.012	0.16	0.05	0.06	0.019	0.009	0.010	0.015	80	104	0.00	

PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES												
Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT	TS	% Elong /	LF	YS	P. Doble / Bend Test	
						kg/mm²	PSI	Elong /	kg/mm²	PSI		
						AVG	AVG	AVG	AVG	AVG		
29906	36775	63093	VIGA S 4" x 7.7 A36/A572-50 12.20m 4.0T	4" x 7.7	3	52.9	75347.8	24.7	44.0	62626.2	Cumple / Successfully	
29898	36786	63092	VIGA S 4" x 7.7 A36/A572-50 6.10m 2.0T	4" x 7.7	10	51.8	73754.0	30.5	39.6	56421.9	Cumple / Successfully	
29435	36435	63098	VIGA S 5" x 10.0 A36/A572-50 12.20m 4.0T	5" x 10.0	3	51.0	72701.0	30.8	40.6	57802.2	Cumple / Successfully	
29585	36629	63103	VIGA S 6" x 12.5 A36/A572-50 12.20m 4.0T	6" x 12.5	1	54.2	77140.8	24.7	42.0	59766.0	Cumple / Successfully	
29583	36633	63102	VIGA S 6" x 12.5 A36/A572-50 6.10m 2.0T	6" x 12.5	1	53.8	76557.4	28.5	39.6	56379.2	Cumple / Successfully	
29584	36632	63102	VIGA S 6" x 12.5 A36/A572-50 6.10m 2.0T	6" x 12.5	2	51.9	73910.6	29.7	38.9	55440.0	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.



GUSTAVO GABRIEL MANCILLA GARZA
 Gerente de Aseguramiento de Calidad / Quality Assurance Manager