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 TRAMO SANTA CRUZ OJO CALIENTE
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CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST AND ANALYSIS

No. Certificado / Certificate No.:	186726 - 22932042
Fecha / Date:	06/11/2020

Hecho en México / Made in Mexico

DATOS DEL CLIENTE / SOLD TO

Cliente / Customer:	PLESA ANAHUAC Y CIAS SA DE CV
Dirección / Address:	AV VALLE DE LAS ALAMEDAS 66 0 SAN FRANCISCO CHILPAN
Ciudad / City:	TULTITLAN
Teléfono / Phone:	10839870
Correo Electrónico / eMail:	ceballos@pleasa.com.mx

CLIENTE CONSIGNADO / SHIP TO

Cliente / Customer:	MATRIZ TULTITLAN
Dirección / 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

Núm. Viaje / Travel No.:	186726
Núm. Factura / Invoice No.:	FCI13448
Pedido / Customer Order No.:	22932042
Núm. Plan / Shipping Plan:	201031
Fecha Embarque / Date:	06/11/2020
Orden de Compra / Purchase Order:	30377

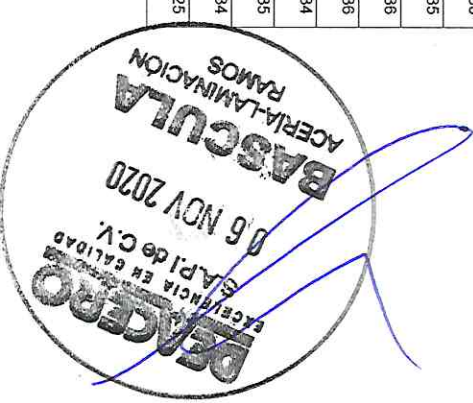
COMPOSICION QUIMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT)

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	AVG	AVG	AVG					
44966	49687	60244	SOLERA 6" x 1/2" A-36 6.10m 2.0T NMX B252/ASTM A6	0.20	0.74	0.21	0.10	0.008	0.28	0.08	0.09	0.019	0.009	0.001	0.001	1	83	0.35																	
44986	49686	60244	SOLERA 6" x 1/2" A-36 6.10m 2.0T NMX B252/ASTM A6	0.20	0.74	0.21	0.10	0.015	0.003	0.29	0.11	0.10	0.021	0.010	0.001	0.000	1	70	0.35																
45886	9263	60286	ANGULO L1 1/4" x 1 1/4" x 1/4" A-36 P 6.10m 1.1T	0.21	0.70	0.22	0.012	0.016	0.26	0.06	0.07	0.028	0.010	0.001	0.001	2	19	0.34																	
45888	9258	60285	ANGULO L1 1/4" x 1 1/4" x 3/16" A-36 P 6.10m 1.1T	0.22	0.73	0.20	0.009	0.010	0.23	0.06	0.07	0.029	0.008	0.001	0.001	8	16	0.36																	
45882	9293	60281	ANGULO L1 1" x 1" x 1/8" A-36 P 6.10m 1.1T	0.21	0.70	0.21	0.008	0.006	0.21	0.09	0.06	0.024	0.008	0.001	0.000	4	14	0.35																	
45921	9299	60281	ANGULO L1 1" x 1" x 1/8" A-36 P 6.10m 1.1T	0.21	0.77	0.23	0.010	0.015	0.26	0.11	0.09	0.023	0.012	0.001	0.001	6	16	0.36																	
45921	9300	60281	ANGULO L1 1" x 1" x 1/8" A-36 P 6.10m 1.1T	0.21	0.77	0.23	0.010	0.015	0.26	0.11	0.09	0.023	0.012	0.001	0.001	6	16	0.36																	
45952	50858	60347	ANGULO L1 2 1/2" x 2 1/2" x 1/4" A36/529-50 12.20m 4.0T	0.20	0.75	0.21	0.007	0.004	0.19	0.06	0.05	0.021	0.008	0.001	0.001	0	16	0.34																	
45666	50862	22276	ANGULO L1 2 1/2" x 2 1/2" x 5/16" A36/529-50 6.10m 2.0T	0.21	0.75	0.18	0.008	0.005	0.21	0.07	0.06	0.020	0.009	0.001	0.001	8	30	0.35																	
44921	16255	63047	ANGULO L1 3/4" x 3/4" x 1/8" A-36 P 6.10m 1.1T	0.18	0.70	0.22	0.013	0.002	0.31	0.09	0.09	0.022	0.013	0.001	0.001	8	12	0.34																	
44923	16254	63047	ANGULO L1 3/4" x 3/4" x 1/8" A-36 P 6.10m 1.1T	0.14	0.57	0.17	0.009	0.008	0.26	0.07	0.11	0.022	0.012	0.000	0.000	8	4	0.25																	

PROPIEDADES MECANICAS / 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	AVG	PSI	AVG				
44966	49687	60244	SOLERA 6" x 1/2" A-36 6.10m 2.0T NMX B252/ASTM A6	6" x 1/2"	1	51.2	72934.4	32.3	36.8	52380.6	Cumple / Successfully		
44986	49686	60244	SOLERA 6" x 1/2" A-36 6.10m 2.0T NMX B252/ASTM A6	6" x 1/2"	1	50.5	71895.6	32.3	38.2	54490.9	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 A6/6M-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