

COMPAÑIA ESPAÑOLA DE LAMINACION, S.L.
 OFICINAS: c/Ferralla,12 Pol.Ind. "SAN VICENTE"
 08755 Castellbisbal (BARCELONA)
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CELSA
 BARCELONA



TEST CERTIFICATE EN 10.204:2004, Type 3.1.

Standard: CSA G40.21-04 50W/ASTM
 A572-07 GR50/A992-06A
 Type: A992
 St. Tol.: ASTM A6/A6M-08
 Our Ref: 01981838
 (B49-31B01)

Customer: FORTACERO S.A. DE C.V.
 Blvd. Carlos Salinas de Gortari km. 8.8 Apodaca
 N.L.
 66600 MEXICO
 Mexico

Destination: FORTACERO S.A. DE C.V.
 CFR LO TUXPAN
 Mexico

Delivery number: 200708320
 Order number : 10391576
 Your order : 905718MX

Material (L=Lenght)	Heat Number	CHEMICAL ANALYSIS																MECHANICAL PROPERTIES			
		C	Mn	Si	S	P	Cr	Ni	Cu	Sn	Mo	V	Nb	AL	N	CE	Yield Str.	Ten- sile Str.	Yield/ Tens. Str.	Elong. 8 in. %	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	MPA	MPA		%	
GRADO 50 W10X5.75X22 L.20fts(6.1m)	CE562125	0.090	1.270	0.190	0.028	0.018	0.090	0.130	0.390	0.016	0.020	0.067	0.001	0.002	0.0101	0.372	430	550	0.782	28.9	
GRADO 50 W10X5.75X22 L.20fts(6.1m)	CE562125	0.090	1.270	0.190	0.028	0.018	0.090	0.130	0.390	0.016	0.020	0.067	0.001	0.002	0.0101	0.372	446	556	0.802	27.7	
GRADO 50 W10X5.75X22 L.40fts(12.2m)	CE562125	0.090	1.270	0.190	0.028	0.018	0.090	0.130	0.390	0.016	0.020	0.067	0.001	0.002	0.0101	0.372	430	550	0.782	28.9	
GRADO 50 W10X5.75X22 L.40fts(12.2m)	CE562125	0.090	1.270	0.190	0.028	0.018	0.090	0.130	0.390	0.016	0.020	0.067	0.001	0.002	0.0101	0.372	446	556	0.802	27.7	
GRADO 50 W24X9X68 L.40fts(12.2m)	CE562125	0.090	1.270	0.190	0.028	0.018	0.090	0.130	0.390	0.016	0.020	0.067	0.001	0.002	0.0101	0.372	404	538	0.751	27.3	
GRADO 50 W24X9X68 L.40fts(12.2m)	CE562125	0.090	1.270	0.190	0.028	0.018	0.090	0.130	0.390	0.016	0.020	0.067	0.001	0.002	0.0101	0.372	403	536	0.752	27.5	
GRADO 50 W24X9X68 L.40fts(12.2m)	CE562126	0.080	1.250	0.180	0.027	0.020	0.110	0.120	0.370	0.014	0.038	0.068	0.002	0.003	0.0106	0.364	404	538	0.751	27.5	
GRADO 50 W24X9X68 L.40fts(12.2m)	CE562126	0.080	1.250	0.180	0.027	0.020	0.110	0.120	0.370	0.014	0.038	0.068	0.002	0.003	0.0106	0.364	403	537	0.750	27.6	
GRADO 50 W24X9X84 L.40fts(12.2m)	CE562126	0.080	1.250	0.180	0.027	0.020	0.110	0.120	0.370	0.014	0.038	0.068	0.002	0.003	0.0106	0.364	404	538	0.751	27.2	
GRADO 50 W24X9X84 L.40fts(12.2m)	CE562126	0.080	1.250	0.180	0.027	0.020	0.110	0.120	0.370	0.014	0.038	0.068	0.002	0.003	0.0106	0.364	402	536	0.750	27.4	
GRADO 50 W24X9X76 L.40fts(12.2m)	CE562128	0.080	1.250	0.190	0.018	0.017	0.100	0.130	0.400	0.015	0.022	0.065	0.001	0.003	0.0104	0.361	405	538	0.753	27.5	
GRADO 50 W24X9X76 L.40fts(12.2m)	CE562128	0.080	1.250	0.190	0.018	0.017	0.100	0.130	0.400	0.015	0.022	0.065	0.001	0.003	0.0104	0.361	404	540	0.748	27.2	

- Product suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.
- Intended use: construction and civil engineering.
- Durability: not determined.
- Regulated substances: not determined

[Signature]
 Castellbisbal, 09.04.2013
 Juan Diego Martínez Gálvez
 Quality Control Manager