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CERTIFICADO DE CALIDAD / MILL TEST REPORT

CLIENTE/SOLD TO	DESTINATARIO/SHIP TO	FACTURA/INVOICE
Fortacero, S.A. de C.V. Blvd. Carlos Salinas de Gortari km 8.8 Apodaca NL C.P. 66600	Fortacero, S.A. de C.V. Blvd. Carlos Salinas de Gortari km 8.8 Apodaca NL C.P. 66600	178039 FECHA/DATE 08/06/2013

O.C./ P.O.	PEDIDO/ ORDER	ROLLO/ COIL	LOTE/ PACKAGE	CODIGO/ CODE	DESCRIPCION DEL MATERIAL/ MATERIAL DESCRIPTION	LONGITUD/ LENGTH	ANALISIS			
							%C	%Mn	%P	%S
4500103245	10107176-20	0008117735	0008296477	300248	PC 5.00X2.00 0.0747 CCCSDPR STK 6.000	6000 mm	0.0792	0.5777	0.0161	0.0105
4500103245	10107176-20	0008117735	0008296398	300248	PC 5.00X2.00 0.0747 CCCSDPR STK 6.000	6000 mm	0.0792	0.5777	0.0161	0.0105
4500103245	10107176-20	0008117735	0008296412	300248	PC 5.00X2.00 0.0747 CCCSDPR STK 6.000	6000 mm	0.0792	0.5777	0.0161	0.0105
4500103245	10107176-20	0008117735	0008296448	300248	PC 5.00X2.00 0.0747 CCCSDPR STK 6.000	6000 mm	0.0792	0.5777	0.0161	0.0105
4500103245	10107176-20	0008117732	0008296447	300248	PC 5.00X2.00 0.0747 CCCSDPR STK 6.000	6000 mm	0.0763	0.5896	0.0137	0.0103
4500103223	10107188-100	0008198531	0008253332	300364	RED 1.050 0.0747 CCCSDN STK C30 6.096	6096 mm	0.0927	0.3489	0.0194	0.0106
4500103223	10107188-100	0008185608	0008253371	300364	RED 1.050 0.0747 CCCSDN STK C30 6.096	6096 mm	0.0858	0.3469	0.0139	0.0152
4500103223	10107188-110	0008248403	0008298120	300264	RED 1.315 0.0747 CCCSDN STK C30 6.096	6096 mm	0.0817	0.5909	0.0165	0.0101
4500103223	10107188-110	0008248403	0008298027	300264	RED 1.315 0.0747 CCCSDN STK C30 6.096	6096 mm	0.0817	0.5909	0.0165	0.0101
4500103223	10107188-70	0008252732	0008285828	300553	CUAD 3.000 0.2500 CBCSDPR STK 6.096	6096 mm	0.0912	0.3683	0.0098	0.0169
4500103223	10107188-70	0008108219	0008285877	300553	CUAD 3.000 0.2500 CBCSDPR STK 6.096	6096 mm	0.0839	0.3182	0.0153	0.0119
4500103223	10107188-70	0008108219	0008285838	300553	CUAD 3.000 0.2500 CBCSDPR STK 6.096	6096 mm	0.0839	0.3182	0.0153	0.0119
4500103251	10107191-80	0008052111	0008283864	300340	CUAD 4.000 0.1880 CBCSDPR STK 6.096	6096 mm	0.0858	0.3276	0.0152	0.0073
4500103251	10107191-80	0008052111	0008283859	300340	CUAD 4.000 0.1880 CBCSDPR STK 6.096	6096 mm	0.0858	0.3276	0.0152	0.0073

O.C./ P.O.	PEDIDO/ ORDER	ROLLO/ COIL	LOTE/ PACKAGE	DUREZA/ THICK	PROPIEDADES FISICAS/MECHANICAL PROPERTIES			ESTANDAR/ STANDARD	CORABA/ HEAT	HECHO/ MADE
					TENSION/ TENSILE (MPa)	CEDENCIA/ YIELD (MPa)	ELONGACION/ ELONGATION (%)			
4500103245	10107176-20	0008117735	0008296477	50	45	33	24		432311	Made in Mexico
4500103245	10107176-20	0008117735	0008296398	50	45	33	24		432311	Made in Mexico
4500103245	10107176-20	0008117735	0008296412	50	45	33	24		432311	Made in Mexico
4500103245	10107176-20	0008117735	0008296448	50	45	33	24		432311	Made in Mexico
4500103245	10107176-20	0008117732	0008296447	50	45	33	24		234471	Made in Mexico
4500103223	10107188-100	0008198531	0008253332	50	55	44	45	A513	135201	Made in Mexico
4500103223	10107188-100	0008185608	0008253371	50	45	33	24	A513	235082	Made in Mexico
4500103223	10107188-110	0008248403	0008298120	50	45	33	24	A513	235364	Made in Mexico
4500103223	10107188-110	0008248403	0008298027	50	45	33	24	A513	235364	Made in Mexico
4500103223	10107188-70	0008252732	0008285828	77	63	54	29	A500 Grado BC (	432898	Made in Mexico
4500103223	10107188-70	0008108219	0008285877	77	63	54	29	A500 Grado BC (	234221	Made in Mexico
4500103223	10107188-70	0008108219	0008285838	77	63	54	29	A500 Grado BC (	234221	Made in Mexico
4500103251	10107191-80	0008052111	0008283864	77	64	54	29	A500 Grado BC (	230671	Made in Mexico
4500103251	10107191-80	0008052111	0008283859	77	64	54	29	A500 Grado BC (230671	Made in Mexico

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CLIENTE/CUSTOMER	DESTINATARIO/SHIP TO	FACTURA/INVOICE
Fortacero, S.A. de C.V.	Fortacero, S.A. de C.V.	178039
Bldv. Carlos Salinas de Gortari km 8.8	Bldv. Carlos Salinas de Gortari km 8.8	FECHA/DATE
Apodaca NL C.P. 66600	Apodaca NL C.P. 66600	08/06/2013

O.C./P.O.	PEDIDO/ORDER	ROLLO/COIL	LOTE/PACKAGE	CODIGO/COIL CODE	DESCRIPCION DEL MATERIAL/MATERIAL DESCRIPTION	LONGITUD/LENGTH	ANALISIS			
							%C	%Mn	%P	%S
4500103251	10107191-90	0008090139	0008175439	300291	RED 2.375 0.1046 CCCSDN STK C30 6.096	6096 mm	0.0883	0.3448	0.0163	0.0200
4500103251	10107191-90	0008058771	0008217465	300291	RED 2.375 0.1046 CCCSDN STK C30 6.096	6096 mm	0.0926	0.3329	0.0159	0.0177
4500103251	10107191-90	0008058771	0008217461	300291	RED 2.375 0.1046 CCCSDN STK C30 6.096	6096 mm	0.0926	0.3329	0.0159	0.0177
4500103251	10107191-60	0008070590	0008259793	311199	CUAD 1.000 0.1345 CGBSDN STK 6.000	6000 mm	0.0540	0.3300	0.0070	0.0070
4500103251	10107191-60	0008153416	0008259511	311199	CUAD 1.000 0.1345 CGBSDN STK 6.000	6000 mm	0.0908	0.3144	0.0143	0.0087
4500103251	10107191-60	0008153416	0008259486	311199	CUAD 1.000 0.1345 CGBSDN STK 6.000	6000 mm	0.0908	0.3144	0.0143	0.0087
4500103251	10107191-60	0008153416	0008259474	311199	CUAD 1.000 0.1345 CGBSDN STK 6.000	6000 mm	0.0908	0.3144	0.0143	0.0087
4500103251	10107191-60	0008153416	0008259207	311199	CUAD 1.000 0.1345 CGBSDN STK 6.000	6000 mm	0.0908	0.3144	0.0143	0.0087
4500103251	10107191-70	0007933110	0008299443	315140	CUAD 2.000 0.1495 CGBSDPR 6.096	6096 mm	0.1000	0.3752	0.0135	0.0125
4500103251	10107191-70	0008063250	0008302194	315140	CUAD 2.000 0.1495 CGBSDPR 6.096	6096 mm	0.0947	0.3492	0.0163	0.0175
4500103251	10107191-70	0008063250	0008302213	315140	CUAD 2.000 0.1495 CGBSDPR 6.096	6096 mm	0.0947	0.3492	0.0163	0.0175
4500103076	10107203-20	0008117723	0008197987	311233	RECT 4.00X3.00 0.0747 CCCSDP STK 6.000	6000 mm	0.0873	0.3368	0.0151	0.0104
4500103076	10107203-20	0008117723	0008197909	311233	RECT 4.00X3.00 0.0747 CCCSDP STK 6.000	6000 mm	0.0873	0.3368	0.0151	0.0104
4500103076	10107203-20	0008117723	0008197927	311233	RECT 4.00X3.00 0.0747 CCCSDP STK 6.000	6000 mm	0.0873	0.3368	0.0151	0.0104

O.C./P.O.	PEDIDO/ORDER	ROLLO/COIL	LOTE/PACKAGE	PROPIEDADES FISICAS/MECHANICAL PROPERTIES				ESTANDAR/STANDARD	COLADA/HEAT	HECHO/MADE
				DUREZA/STRENGTH	TENSION/TENSION (ksi)	CEDENCIA/YIELD (ksi)	ELONGACION/ELONGATION (%)			
4500103251	10107191-90	0008090139	0008175439	50	45	33	24	A513	231008	Made in Mexico
4500103251	10107191-90	0008058771	0008217465	50	45	33	24	A513	234223	Made in Mexico
4500103251	10107191-90	0008058771	0008217461	50	45	33	24	A513	234223	Made in Mexico
4500103251	10107191-60	0008070590	0008259793	79	64	55	29	A500 Grado B	1305112790	Made in Mexico
4500103251	10107191-60	0008153416	0008259511	79	64	54	29	A500 Grado B	134822	Made in Mexico
4500103251	10107191-60	0008153416	0008259486	79	64	54	29	A500 Grado B	134822	Made in Mexico
4500103251	10107191-60	0008153416	0008259474	79	64	54	29	A500 Grado B	134822	Made in Mexico
4500103251	10107191-60	0008153416	0008259207	79	64	54	29	A500 Grado B	134822	Made in Mexico
4500103251	10107191-70	0007933110	0008299443	77	66	55	29	A500 Grado B	431476	Made in Mexico
4500103251	10107191-70	0008063250	0008302194	77	64	54	29	A500 Grado B	134455	Made in Mexico
4500103251	10107191-70	0008063250	0008302213	77	64	54	29	A500 Grado B	134455	Made in Mexico
4500103076	10107203-20	0008117723	0008197987	50	45	33	24	A513	234548	Made in Mexico
4500103076	10107203-20	0008117723	0008197909	50	45	33	24	A513	234548	Made in Mexico
4500103076	10107203-20	0008117723	0008197927	50	45	33	24	A513	234548	Made in Mexico

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Coord. De Laboratorio



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CLIENTE/CUSTOMER	DESTINATARIO/SHIP TO	FACTURA/INVOICE
Fortacero, S.A. de C.V. Blvd. Carlos Salinas de Gortari km 8.8 Apodaca NL C.P. 66600	Fortacero, S.A. de C.V. Blvd. Carlos Salinas de Gortari km 8.8 Apodaca NL C.P. 66600	178039 08/06/2013

O.C./ P.O.	PEDIDO/ ORDER	ROLLO/ COIL	LOTE/ PACKAGE	CÓDIGO/ CODE	DESCRIPCIÓN DEL MATERIAL/ MATERIAL DESCRIPTION	LONGITUD/ LENGTH	ANÁLISIS			
							%C	%Mn	%P	%S
4500103474	10107576-10	0008121592	0008259697	300339	CUAD 3.500 0.1880 CBCSDPR STK 6.096	6096 mm	0.0851	0.3302	0.0149	0.0063
4500103474	10107576-10	0008027621	0008259697	300339	CUAD 3.500 0.1880 CBCSDPR STK 6.096	6096 mm	0.1000	0.3585	0.0133	0.0110
4500103474	10107576-10	0008117772	0008259710	300339	CUAD 3.500 0.1880 CBCSDPR STK 6.096	6096 mm	0.0851	0.3302	0.0149	0.0063

O.C./ P.O.	PEDIDO/ ORDER	ROLLO/ COIL	LOTE/ PACKAGE	PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES				ESTANDAR/ STANDARD	COLADA/ HEAT	HECHO/ MADE
				DUREZA TENS	TENSION TENSILE (MPa)	CEDENCIA YIELD (MPa)	ELONGACION/ ELONGATION (%)			
4500103474	10107576-10	0008121592	0008259697	50	45	33	24	A500 Grado BC (	134697	Made in Mexico
4500103474	10107576-10	0008027621	0008259697	50	45	33	24	A500 Grado BC (	430503	Made in Mexico
4500103474	10107576-10	0008117772	0008259710	78	64	55	29	A500 Grado BC (	134697	Made in Mexico