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EM1004 3.1 - ISO 10474 3.1B

CERTIFICADO DE CALIDAD - MILL TEST CERTIFICATE

ORIGINAL

Fecha de emisión (Date of Issue)
 (DMA) 14/11/2013
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 TX184902



0 0 0 0 0 1 8 3 3 6 2

Ensayos de Calidad del Acero (Steel Quality)

Pieza (Piece)	Coleada (Heat)	Dureza (Hardness)
2A069120VGS90	1309229160	54
2A069171VGS90	1309135190	53
2A06446BVGS90	1310396520	57

Calidad del Acero - Analisis Quimico (%) (Steel Quality - Heat Analysis (%))

Coleada (Heat)	C	Mn	P	S	V	Ti	Cr	Ni	Mo	N	Cu	Ch
1309135190	0.098	0.179	0.004	0.002	0.002	0.000	0.013	0.028	0.006	0.0054	0.059	0.000
1309229160	0.041	0.156	0.004	0.003	0.001	0.000	0.010	0.019	0.004	0.0044	0.035	0.000
1310396520	0.050	0.174	0.005	0.002	0.001	0.000	0.009	0.019	0.004	0.0058	0.037	0.000

1. RC (PZ): Resistencia a la cederencia (Yield Point)

2. RT (TS): Resistencia a la tension (Tension Strength)

3. TT (TT): Tratamiento Termico (Temperail Treatment)

4. HRBW: Escovall B (Lentador de HIC)

Firma (Signature)

Antonio Mani

Ing. Antonio Mani
 Ternium Labs

Confirmanos que el material aqui descrito ha sido inspeccionado y ensayado por personal autorizado independiente del area de manufactura con resultados satisfactorios en concordancia con la norma arriba descrita. Properties Measured and Inspected by: E3, E31, E317, E396, E3100Z, E23, JIS Z 2241 según requerimiento y peso de capa bajo ASTM 50. Analisis Quimico bajo la norma ASTM E 415 / 1019 / A 751. We certify that the material described has been inspected and analyzed by qualified personnel from the manufacturing department with satisfactory results in accordance with requirements of the above specification. Mechanical Properties as ASTM A370, E8, E18, E517, E846, E81-10005, E23, JIS Z 2241 as requested and comply with ASTM A505. Chemical Analysis as ASTM E 415 / 1019 / A 751.