



HRT Labortechnik GmbH, Engstingen, Germany

Certificate of Analysis

FE 2009-N

Reference Material for Low Alloy Steel

	Certified Value ¹	Estimate of Uncertainty ²	Half-width confidence interval C (95%) ³
Analysis listed as percent by weight			
C	0,12	0,0060	0,0018
Si	0,32	0,0129	0,0038
Mn	0,55	0,0156	0,0046
P	0,010	0,0015	0,0004
S	0,003	0,0012	0,0003
Al	0,030	0,0030	0,0009
Cr	2,56	0,0708	0,0210
Ni	0,25	0,0099	0,0029
Mo	1,02	0,0229	0,0069
Cu	0,08	0,0064	0,0019
V	0,015	0,0036	0,0011
Ca	0,0020	0,0003	0,0001
Zn	0,004	0,0032	0,0013

¹ The certified value listed is the present best estimate of the true value based on the results of an interlaboratory testing program with 48 participating laboratories.

² The uncertainties listed are based on value judgements of the material inhomogeneity and the 95 % confidence interval.

³ Half-width confidence interval C (95 %).

See following pages for more information.

Certificate Number 500-109/0610