

REFERENCE MATERIAL IR 1664

Unalloyed steel

LABORATORY MEANS – Mass content in %

Element	C	Si	Mn	P	S	Cr	Mo	Ni
M_M	0.2008	0.0616	0.472	0.0106	0.0259	0.0707	0.0157	0.0547
s_M	0.0030	0.0037	0.013	0.0012	0.0013	0.0030	0.0019	0.0026

Element	Al sol	As	Cu	N	Pb	Sn	Ti	Sb
M_M	0.0193	0.0115	0.0820	0.0072	0.0002	0.0108	0.0013	0.0012
s_M	0.0022	0.0018	0.0021	0.0004	0.00003	0.0009	0.0001	0.0001

<i>Element</i>	<i>Al ins</i>	<i>B</i>	<i>Co</i>	<i>Nb</i>	<i>Ca</i>	<i>Mg</i>	<i>Te</i>	<i>V</i>	<i>Zn</i>	<i>Zr</i>
M_M	0,0026	0,0002	0,0084	0,0002	0,0005	0,00008	0,0014	0,0005	0,0007	0,0001

Additional information (in %):

Bi << 0.0001 – *Cd* < 0.0001 – *Se* ≤ 0.0001 – *W* ≤ 0.002

M_M : Mean of the intralaboratory means

s_M : Standard deviation of the intralaboratory means

The laboratory mean values have been examined statistically to eliminate outlying values.
Values given *in italic* are for information only.

The material is available in the form of a 37mm dia. x 30mm disc.

This Reference Material was prepared by:

INSTITUT DE RECHERCHES DE LA SIDÉRURGIE (IRSID)

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