REFERENCE MATERIAL IR 1665

Unalloyed steel

LABORATORY MEANS – Mass content in %

Element	C	Si	Mn	P	S	Cr	Mo	Ni	Al sol	As
M_M	0.1209	0.187	0.446	0.0104	0.0135	0.0363	0.0047	0.0308	0.0379	0.0067
s_M	0.0040	0.008	0.010	0.0009	0.0010	0.0027	0.0010	0.0020	0.0017	0.0015

Element	Co	Cu	N	Sn	Ca
M_M	0,0046	0,0469	0,0049	0,0031	0,0017
s_M	0,0004	0,0016	0,0004	0,0007	0,0004

Element	*Al ins*	*B*	*Pb*	*Ti*	*V*	*Mg*	*Sb*	*Zn*
M_M	*0.0025*	*0.00032*	*0.0014*	*0.0008*	*0.0006*	*0.00012*	*0.0008*	*0.0008*

Additional information (in µg/g):

Ag : 0.6 - Ba : 0.8 - Bi : 0.6 - Cd : 0.7 - La : 0.6 - Nb : 3.6 - Se : 1 - Te : 1 - W : 5 - Zr : 0.8

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)

Certificate revised August 2016 (previous issue December 1996)

ArcelorMittal Maizières Research SA (formerly "IRSID")
Voie Romaine, BP 30320, F-57283 Maizières-lès-Metz Cedex

✉ E-mail: reference.materials@arcelormittal.com
Website: referencematerials.arcelormittal.com

August 2016