

REFERENCE MATERIAL IR 1745

Low alloy steel

LABORATORY MEANS – Mass content in %

Element	C	Si	Mn	P	S	Cr	Mo
M_M	0.295	0.220	0.850	0.0077	0.081	1.130	0.222
s_M	0.004	0.009	0.017	0.0010	0.005	0.027	0.007

Element	Ni	Al sol	As	Co	Cu	Sn
M_M	0.188	0.0202	0.0262	0,0156	0,202	0,0134
s_M	0.007	0.0018	0.0018	0,0010	0,006	0,0011

<i>Element</i>	<i>Al ins</i>	<i>N</i>	<i>Ti</i>	<i>V</i>	<i>Sb</i>	<i>Te</i>	<i>Zn</i>
M_M	<i>0.0016</i>	<i>0.0115</i>	<i>0.003</i>	<i>0.004</i>	<i>0.0023</i>	<i>0.004</i>	<i>0.003</i>

Additional information (in %):

B < 0.0005 - Nb < 0.001 - Pb : 0.001 - Zr ≤ 0.001 - Bi < 0.0001

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 48mm dia. x 30mm disc.

This Reference Material was prepared by:

INSTITUT DE RECHERCHES DE LA SIDÉRURGIE (IRSID)

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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