

REFERENCE MATERIAL IR 1747

Low alloy steel

LABORATORY MEANS – Mass content in %

Element	C	Si	Mn	P	S	Cr	Mo	Ni
M_M	0.990	0.222	0.333	0.0078	0.0068	1.501	0.0141	0.0850
s_M	0.009	0.009	0.009	0.0013	0.0008	0.027	0.0013	0.0039

Element	Al sol	As	Co	Cu	N	Sn	Ti	V
M_M	0.0392	0.0170	0.0110	0.1243	0.0084	0.0105	0.0041	0.0046
s_M	0.0022	0.0026	0.0012	0.0038	0.0003	0.0011	0.0001	0.0006

Element	Al ins	B	Nb	Pb	W	Zr
M_M	0.0012	0.00015	0.00025	0.00025	0.005	0.00011

Element	Ca	Mg	Sb	Se	Te	Zn
M_M	0.0003	0.00022	0.0034	0.0001	0.00012	0.0005

Additional information (in %):

Bi ≤ 0.0002 – *Cd* : 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 37mm dia. x 30mm disc.

This Reference Material was prepared by:

INSTITUT DE RECHERCHES DE LA SIDÉRURGIE (IRSID)

Certificate revised August 2016 (previous issue June 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