

REFERENCE MATERIAL IR 1646

Unalloyed steel

LABORATORY MEANS – Mass content in %

Element	C	Si	Mn	P	S	Cr	Ni	Al	Cu
M_M	0.414	0.293	0.701	0.0204	0.027	0.493	0.093	0.056	0.104
s_M	0.012	0.016	0.020	0.0015	0.002	0.022	0.007	0.006	0.006

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.

The material is available in the form of a 42mm dia. x 30mm disc.

This Reference Material was prepared by:

INSTITUT DE RECHERCHES DE LA SIDÉRURGIE (IRSID)

Certificate revised August 2016 (previous issue May 2000)

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