

REFERENCE MATERIAL IR 1648

Unalloyed steel

LABORATORY MEANS – Mass content in %

Element	C	Si	Mn	P	Cr	Ni	Cu	Sn
M_M	0.432	0.242	1.41	0.031	0.172	0.165	0.408	0.033
s_M	0.018	0.015	0.06	0.002	0.011	0.010	0.028	0.003

<i>Element</i>	<i>S</i>	<i>Mo</i>	<i>Al</i>	<i>As</i>
M_M	<i>0.07</i>	<i>0.028</i>	<i>0.004</i>	<i>0.038</i>

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 39mm dia. x 30mm disc.

This Reference Material was prepared by:

INSTITUT DE RECHERCHES DE LA SIDÉRURGIE (IRSID)

Certificate revised August 2016 (previous issue June 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