

REFERENCE MATERIAL IR 1833

Highly alloyed steel

LABORATORY MEANS – Mass content in %

Element	C	Si	Mn	P	Cr	Mo	Ni	Al	As
M_M	0.605	0.193	22.57	0.0345	0.268	0.0133	0.0494	0.0025	0.0034
s_M	0.011	0.034	0.11	0.0003	0.015	0.0009	0.0011	0.0008	0.0003

Element	Co	Cu	N	Nb	Sn	Ti	V	Pb
M_M	0.0089	0,030	0,0120	0,0026	0,0043	0,0011	0,203	0,00007
s_M	0.0014	0,001	0,0009	0,0012	0,0003	0,0005	0,015	0,00003

<i>Element</i>	<i>S</i>	<i>B</i>	<i>Sb</i>	<i>Zn</i>
M_M	<i>0.0005</i>	<i>0.00017</i>	<i>0.0005</i>	<i>0.0014</i>

Additional information (in %):

Mg : 0.0001 – Zr < 0.0002 – W < 0.001

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 35mm dia. x 25mm disc

This Reference Material was prepared by:

ARCELOMITTAL MAIZIERES RESEARCH SA

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