

REFERENCE MATERIAL IR 1749

Low alloy steel

LABORATORY MEANS – Mass content in %

Element	C	Si	Mn	P	S	Cr	Mo	Ni	Al
M_M	0.411	0.193	0.733	0.0104	0.0157	1.734	0.257	0.19	1.034
s_M	0.005	0.007	0.013	0.0018	0.0014	0.036	0.009	0.01	0.047

Element	As	Co	Cu	N	Sn	Ti	Mg	Sb	O
M_M	0.0134	0,0141	0,188	0,0066	0,0148	0,0031	0,0009	0,0018	0,00020
s_M	0.0015	0,0005	0,005	0,0004	0,0011	0,0006	0,0003	0,0005	0,00003

Element	V	Ca
M_M	<i>0.0036</i>	<i>0.0002</i>

Additional information (in $\mu\text{g/g}$):

$B \leq 5$ - $Bi \leq 0.2$ - $Nb \leq 5$ - $Pb \leq 2$ - $Se \leq 10$ - $Te \leq 1$ - $W \leq 30$ - $Zn \leq 6$ - $Zr \leq 3$

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 41mm dia. x 25mm disc.

This Reference Material was prepared by:

INSTITUT DE RECHERCHES DE LA SIDÉRURGIE (IRSID)

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