

## REFERENCE MATERIAL IR 1652

Unalloyed steel

LABORATORY MEANS – Mass content in %

| Element | C     | Si    | Mn    | S     | Cr    | Ni    | As    | Cu    | Sn    |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| $M_M$   | 0.406 | 0.386 | 0.931 | 0.040 | 0.184 | 0.190 | 0.038 | 0.345 | 0.030 |
| $s_M$   | 0.011 | 0.021 | 0.030 | 0.004 | 0.010 | 0.008 | 0.004 | 0.016 | 0.003 |

| Element | P     | Mo    |
|---------|-------|-------|
| $M_M$   | 0.017 | 0.042 |

Additional information (in %):

Al soluble : 0.0013 – Al insoluble : 0.0008

$M_M$  : 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 44mm dia. x 30mm disc.

This Reference Material was prepared by:

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