

## REFERENCE MATERIAL IR 1663

Unalloyed steel

LABORATORY MEANS – Mass content in %

| Element | C     | Si    | Mn    | P      | S     | Cr    | Mo    |
|---------|-------|-------|-------|--------|-------|-------|-------|
| $M_M$   | 0.353 | 0.235 | 0.967 | 0.0090 | 0.034 | 0.206 | 0.042 |
| $s_M$   | 0.004 | 0.013 | 0.027 | 0.0013 | 0.002 | 0.007 | 0.003 |

| Element | Ni    | Al    | As    | Co    | Cu    | Sn     | Ti    |
|---------|-------|-------|-------|-------|-------|--------|-------|
| $M_M$   | 0.148 | 0.037 | 0.028 | 0.015 | 0.180 | 0.0143 | 0.051 |
| $s_M$   | 0.005 | 0.002 | 0.004 | 0.001 | 0.006 | 0.0013 | 0.003 |

| Element | B             | Ca            |
|---------|---------------|---------------|
| $M_M$   | <i>0.0018</i> | <i>0.0007</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 44mm dia. x 30mm disc.

This Reference Material was prepared by:

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