

## REFERENCE MATERIAL IR 1647

Unalloyed steel

LABORATORY MEANS – Mass content in %

| Element | C     | Si    | Mn    | P      | S     | Cr    | Ni    | Al tot | Cu    |
|---------|-------|-------|-------|--------|-------|-------|-------|--------|-------|
| $M_M$   | 0.418 | 0.299 | 0.701 | 0.0194 | 0.027 | 0.490 | 0.093 | 0.060  | 0.104 |
| $s_M$   | 0.012 | 0.015 | 0.019 | 0.0016 | 0.002 | 0.024 | 0.007 | 0.006  | 0.007 |

*Additional information (in %):*

*Al soluble : 0.0555 – Al insoluble : 0.0035*

$M_M$  : 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.

The material is available in the form of a 41mm dia. x 30mm disc.

**This Reference Material was prepared by:**

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*Certificate revised August 2016 (previous issue May 2000)*

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