

## REFERENCE MATERIAL IR 2702

Continuous casting powder

LABORATORY MEANS – Mass content in %

| Element | Fe    | SiO <sub>2</sub> | Ca total | Al <sub>2</sub> O <sub>3</sub> | Mn    | TiO <sub>2</sub> | Na   | F    | C total | C free |
|---------|-------|------------------|----------|--------------------------------|-------|------------------|------|------|---------|--------|
| $M_M$   | 1.26  | 28.70            | 17.80    | 12.6                           | 0.071 | 0.564            | 3.61 | 6.08 | 16.54   | 15.8   |
| $s_M$   | 0.085 | 0.76             | 0.43     | 0.45                           | 0.007 | 0.022            | 0.19 | 0.24 | 0.22    | 0.29   |

| Element | MgO  | P    | Cr    | K    | CO <sub>2</sub> | S    | H <sub>2</sub> O at 600°C | H <sub>2</sub> O at 950°C |
|---------|------|------|-------|------|-----------------|------|---------------------------|---------------------------|
| $M_M$   | 1.47 | 0.18 | 0.006 | 0.75 | 2.53            | 0.49 | 1.21                      | 1.26                      |

Additional information (in %):

Loss On Ignition (LOI) : 20.8

$M_M$  : 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 powder passing a nominal 100µm aperture, supplied in bottle containing 100g

This Reference Material was prepared by:

ARCELOMITTAL MAIZIERES RESEARCH SA

Certificate revised August 2016 (previous issue July 2011)

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