

## SL-1 Certificate of Analysis

### Certified Reference Material: Blast Furnace Slag

SL-1 was prepared in 1975 from material donated by the Steel Company of Canada Ltd. at Hamilton, Ontario, for use in analytical laboratories associated with the iron and steel industry.

Although the interlaboratory program involving 21 laboratories yielded results for 13 constituents, only 6 met the criteria for certification; values for the other are provisional.

#### Certified Values and 95% Confidence Intervals

Constituent	wt %
SiO <sub>2</sub>	35.73 ± 0.13
CaO	37.48 ± 0.18
MgO	12.27 ± 0.15
Al <sub>2</sub> O <sub>3</sub>	9.63 ± 0.09
Tot Fe as FeO	0.92 ± 0.04
S	1.26 ± 0.03

#### Provisional Values

Constituent	wt %
TiO <sub>2</sub>	0.38
MnO	0.86
Na <sub>2</sub> O	0.39
K <sub>2</sub> O	0.51

A copy of CANMET Report 77-57, "Blast furnace slag SL-1: Its preparation for use as a certified reference material", will be issued with each order of SL-1.

#### For further information

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