

Section V

Rapid Analysis of Sulfur

The only method included is an instrumental method using the LECO induction furnace and automatic titrator. As noted by the authors, it is essentially the method given in a LECO Applications Bulletin with changes in sample size and the combination of accelerators. It determines total sulfur as sulfur trioxide (SO_3).

Data included at the end of the method show qualification under the requirements of ASTM Method for Chemical Analysis of Hydraulic Cement (C 114). Reproducibility is excellent for all samples, and only for the high sulfur Type K SRM does the average of two runs approach the allowable difference from the SRM value.

Editor