

(PREVIEW)

Indian Standard

METHOD OF CHEMICAL ANALYSIS OF HYDRAULIC CEMENT

1. SCOPE

1.1 This standard gives the procedure for the chemical analysis of the different types of hydraulic cement.

1.2 In addition to the tests for chemical requirements prescribed in different cement specifications, this standard also covers test for determination of free lime in Portland cement, pozzolanicity test for Portland pozzolana cement and staining test for masonry cement.

NOTE — Analysis of hydraulic cement may be done using rapid methods such as atomic absorption spectrophotometer method (*see* IS : 12813-1989†) or X-ray fluorescence spectrometer method (*see* IS : 12803-1989‡), or calorimetric analysis (*see* IS : 12423-1988§) not covered in this standard. However, in case of dispute or doubtful marginal values, the method given in this standard shall be taken as referee method.

*Rules for rounding off numerical values (*revised*).

†Method of analysis of hydraulic cement by atomic absorption spectrophotometer.

‡Method of analysis of hydraulic cement by X-ray fluorescence spectrometer.

§Method for calorimetric analysis of hydraulic cement.