

bomb-digestion (in spectrochemical analysis)

Materials which are not fully dissolved by acid-digestion at atmospheric pressure may require a more vigorous treatment in pressure vessels lined with polytetrafluoroethylene (PTFE) glass, silica or vitreous (glassy) carbon or in sealed silica tubes; this treatment is called bomb-digestion. The *test sample* and acids are heated in such a closed vessel, so that the digestion is carried out at higher temperature and pressure.

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