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Chemical Age Volume 9

By Books Group

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1909 Excerpt: .used for determining zinc in zinc ores, etc. Whiting should contain no free lime. To test for this, boil a sample with water and add phenol phtlalein solution. If a red color is produced the presence of free lime or other alkali is shown. Barytes may be tested by boiling 1 gram of the sample with 10 c.c. of dilute hydrochloric acid (1:1) for ten minutes; then diluting to 100 c.c., again boiling and filtering. The filtrate may be tested for Fe_2O_3 : Al, Os, CaO , MgO . etc. The residue consists of barium sulphate and silica. Ignite and weigh. Moisten the residue in the crucible with a few drops of dilute sulphuric acid and add a little hydrofluoric acid. Evaporate to dryness. Ignite gently for some time over a Bunsen burner and weigh. The loss in weight represents silica. To test for soluble sulphates (CaSO_4), boil 1...



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