



The School of Mines Quarterly Volume 27

By Columbia University Henry Mines

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. 1906 Excerpt: .strength of the fiber, and also is harmless on the skin of the hands. Periodatc as a Reagent. Benedict (Am. Chem. Jour., XXXIV., 581). One or two drops of a N/10 solution of potassium periodate (KI04) added to a neutral or ammoniacal solution of Mn gives a red precipitate, or, if Mn is small, a red coloration. If neutral, the color persists. In presence of NH3 it slowly blackens. NaOH blackens it almost immedia ely; HC1 dissolves it. Per contra, Mn salt may be used as a test for periodates. Zn is precipitated white by KI04, except in presence of NH4C1 and NH4OH, in the cold. On boiling the precipitate forms. With Ni salts KI04 gives a light green precipitate; the Co precipitate is dark brown and dissolves on boiling to a greenish-black solution. By this means o. 1 per cent. Co can be detected in...



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