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Metallurgical Analysis and Assaying; A Three Years Course for Students of Schools of Mines (Paperback)

By William A MacLeod

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. 1903 Excerpt: .has been thoroughly reduced. Time and labour are necessary to attain this end. Transfer 5 gm. finely reduced ore to a 25 c.c. platinum crucible. Mix with 10 gms. KHSO₄ and fuse over a good bunsen, commencing with a low flame and gradually raising the temperature. At the end of thirty minutes add 5 gms. anhydrous Na₂CO₃ and 1 gm. KNO₃ and fuse for another thirty minutes. For the last fifteen minutes a full red heat should be maintained. On cooling, swirl the melt up the sides of the crucible. When cool, transfer to a 300 c.c. beaker. Add 100 c.cs. water and digest till the melt is dissolved. Acidulate the solution (after removing and rinsing the crucible) with 16E. HC1. Evaporate to dryness in a porcelain dish. Take up with 10 c.cs. E. HC1 and 50 c.cs. water. Filter and wash well with hot water....



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