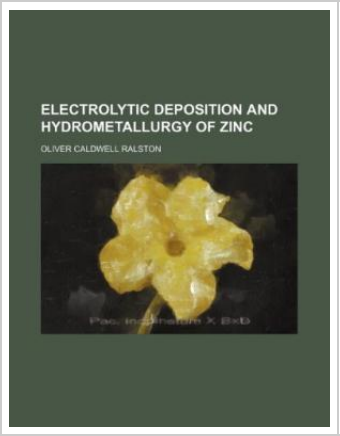

Electrolytic Deposition and Hydrometallurgy of Zinc

By Oliver Caldwell Ralston

Not Avail, 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. 1921 Excerpt: .the rate of corrosion on the zinc from the cathodes increases, as mentioned earlier in this chapter. Nearly all chemical reactions increase in speed with rise of temperature. Many reactions in solutions roughly double their velocity for every 10 C. rise in temperature, but for the dissolving of zinc cathodes in cell solution, Hansen (loc. cit.) finds that the velocity doubles for every 21.7 C. rise in temperature. Hansen has made a careful study of the capacity of the zinc cell to dissipate heat and to compare this with the rate at which heat is generated in the cell. In this way it is possible to calculate the temperature at which the cell would reach equilibrium with the atmosphere of the cell room. Usually this is too high a temperature to allow of efficient use of electrical energy, and it is a better plan to...

Reviews

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