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Standard Table of Electrochemical Equivalents and Their Derivatives; With Explanatory Text on Electrochemical Calculations, Solutions of Typical Practical Examples and Introductory Notes on Electrochemistry

By Carl Hering

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. 1917 Excerpt: .in connection with the economic use of electricity in all electrolytic processes. The validity of Faraday's law has been tested by numerous experiments carried out with the utmost care. It has been found to hold, not only for all solvents, but also for fused electrolytes as well. The Electrochemical Constant. Since the same quantity of electricity--positive or negative--is always carried by a univalent ion, this quantity may be considered as the unit of ionic charge. A bivalent ion will thus carry two unit charges and an n-valent ion will carry n unit charges. In other words, we may think of valence as representing the number of unit charges of electricity which are associated with the respective ions. According to this view Faraday's law may be stated as follows: Chemically equivalent masses of matter possess the same capacity for electricity. The precise measurement of this...

Reviews

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