



Respiratory Proteids; Researches in Biological Chemistry

By Arthur Bower Griffiths

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. 1897 Excerpt: .needles. It is soluble in boiling absolute alcohol; but is more soluble in ether, carbon disulphide, benzene, and aniline than in alcohol. Its best solvent is chloroform. Its solutions are less distinctly green and more brown than those of phyllocyanin; they are fluorescent, and when dilute exhibit a reddish tinge, of which nothing is seen in the case of phyllocyanin. The spectra of phylloxanthin and phyllocyanin are given in Fig. 3. Phylloxanthin, like phyllocyanin, may be heated for several hours at 130C. without undergoing any change, but at 160C. decomposition commences and at 180C. the substance is completely decomposed. When incinerated in a platinum dish, phylloxanthin leaves an ash which consists of ferric oxide. Schunck has proved that phylloxanthin always leaves an ash of ferric oxide after incineration. This appears to prove that iron in some form or other is an essential constituent of chlorophyll or...



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