



A Study of the Action of Ammonia on Thymol: Dissertation; Submitted in Partial Fulfilment of the Requirements for the Degree of Doctor of Philosophy in the Faculty of Pure Science of Columbia University

By Benjamin Horowitz

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from A Study of the Action of Ammonia on Thymol: Dissertation; Submitted in Partial Fulfilment of the Requirements for the Degree of Doctor of Philosophy in the Faculty of Pure Science of Columbia University In the course of experiments on enzymes as possible factors in the development of edema Prof. Gies, greatly to his surprise, found that trypsin in ammonium hydroxide solution containing sodium chloride, failed to give the swelling results with elastin which had previously been observed under similar conditions; instead of swelling, the elastin particles gradually became green and then blue (1). It was then recalled that the elastin used had been prepared some years before, and had been preserved with a solution of thymol in alcohol. That the blue color was due to thymol was confirmed by mixing some thymol with ten percent, ammonium hydroxide solution and obtaining the color on standing. Alcohol appeared to accelerate the transformation. By evaporating the ether extract (which was red), a purplish red oily product, soluble in ether, toluene, and alcohol, was obtained. On another occasion the...

Reviews

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