



An Elementary Course of Practical Organic Chemistry (Paperback)

By Frederic Charles Garrett

Rarebooksclub.com, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1897 edition. Excerpt: . (4) Add a drop of concentrated sulphuric acid to a little pure aldehyde in a test-tube. A considerable evolution of heat occurs, and the aldehyde is converted into the polymeric paraldehyde, which boils at 124. (5) Warm a little aldehyde with aqueous caustic soda. A yellowish resinous mass is produced. (6) Dissolve a little aldehyde in water, add dilute sulphuric acid and a dilute solution of potassium permanganate. The latter is rapidly decolorised. (7) Make a very dilute solution of the colouring matter known as magenta, and add sulphurous acid until the liquid after shaking is colourless. A drop or two of aldehyde added to this solution restores the characteristic colour of magenta (Schiff s reaction). Chloral, CC13-CHO.--Chloral is trichlor-acetaldehyde, and reacts in most respects like acetaldehyde. Repeat the experiments, given under aldehyde, with a solution of chloral hydrate in water, and note...

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