



A method for the identification of pure organic compounds by a systematic analytical procedure based on physical properties and chemical reactions Volume 1

By Samuel Parsons Mulliken

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PROCEDURE 2. Saponify with aqueous alkali as directed below under A. Identify any neutral saponification products (alcohols, phenols, or ketones) as directed under B, below, and any acid saponification products according to C, p. 116. A (Saponification). Fit a 250-cc. round-bottomed flask with a clean, sound cork stopper perforated to receive the lower end of a return-flow condenser that has been mounted vertically on a heavy iron stand. Introduce about 2 grm. of the substance, accurately weighed, into the flask; and then, from a pipette, exactly 50 ce. of an aqueous normal solution of pure sodium hydroxide. Next drop in an ebulliator-tube to prevent bumping (cf. p. 223) and boil briskly for about two hours, or even longer if the odor or appearance of the mixture gives indication that, while the substance has been attacked by the treatment, a portion of it remains unchanged....

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