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A method for the identification of pure organic compounds by a systematic analytical procedure based on physical properties and chemical reactions Volume 2

By Samuel Parsons Mulliken

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 34 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. 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. 1916 Excerpt: . . . pure water alone--is the only substance which, so far as is now known, would be likely to be mistaken for an ammonium salt. Among the nitrogen compounds to which the test has been applied with negative results are: acetonitrile, alloxan, aldehyde ammonia, aldehydecyanhydrine, alloxantine, amalic acid, asparagine, benzamide, benzonitrile, biuret, butyronitrile, cyanacetamide, guanidine carbonate, naphthonitrile, oxamide, parbanlo acid, phthalimide, propionitrile, propionamide, succinimide, sulphocarbamide, tolunitrile, p-tolenylimidoether, urea, and urethane. In case it is desired to remove all traces of ammonia in combination as ammonium salts from a mixture before subjecting it to drastic alkaline hydrolysis, as in T. 2. 7 and T. 2. 26, such ammonia may be most safely expelled by applying the lime and vacuum distillation treatment described by van Slyke (J. Biol. Chem. , 10 (1911), 20). 2. 9. Use of Benzenesulphonyl Chloride in Identification and Separation of Primary, Secondary and Tertiary Amines. When...



Reviews

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