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Chemical Gazette, 1846, Vol. 4: Or Journal of Practical Chemistry (Classic Reprint)

By Unknown Author

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Chemical Gazette, 1846, Vol. 4: Or Journal of Practical Chemistry The author, after passing in review the method described by Liebig and Wohler, and that recently recommended by Prof. Gregory for the preparation of alloxan by the oxidation of uric acid by means of nitric acid, advises that nitric acid of 1.4-1.42 spec. grav. be employed instead of an acid of 1.3-1.34 spec. grav., as proposed by the latter chemist. He finds however the following to be the most advantageous method of preparing alloxan: - 4 oz. of uric acid are mixed in an evaporating dish with 8oz. of moderately strong muriatic acid. An ounce of finely powdered chlorate of potash is then gradually and slowly added. The mixtures becomes warm, no gas is evolved, and the uric acid is completely decomposed into alloxan and urea - a further proof, if any were needed, that uric acid consists of urilic acid and urea. No chlorine is evolved if the process be properly managed, conducted slowly, and the mixture be well-agitated after each addition. When three-fourths...



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