



A Short Manual of Analytical Chemistry, Qualitative and Quantitative--Inorganic and Organic

By John Muter

Rarebooksclub.com, United States, 2012. 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 download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1906 edition. Excerpt: . There are almost unlimited cases in which such solutions may be applied to the various bodies capable of undergoing a definite change by oxidation, but the most common applications are: --. (1) For the estimation of ferrous salts. If we look at the simplest equation for the transference of iron from the ferrous to the ferric state, we find $2\text{FeO} + \text{O} = \text{Fe}_2\text{O}_3$. So we observe that 1 atomic weight of O can oxidize 2 atomic weights of Fe, or that $7.94 = \text{Fe} \frac{55.5}{100} \times 2$, w . molecular weight therefore each Cc. of ferrous salt containing 1 atom of iron in its molecule. Either of the oxidants may be employed for the estimation of ferrous salts. Take, for example, crystallized ferrous sulphate. We have the equations: --With bichromate. $\text{K}_2\text{Cr}_2\text{O}_7 + 6\text{FeSO}_4 \dots$



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