



The Chemistry of Colloids Volume 1 (Paperback)

By Richard Zsigmondy

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. 1917 Excerpt: .neutral solutions silicic acid does not separate out at the anode as stannic acid and many other colloids do, but falls slowly to the bottom in striations much after the nature of sulfuric acid. Precipitation with Electrolytes.--As already pointed out silicic acid is not immediately precipitated by all electrolytes. Hydrochloric acid, chlorides of the alkali, and alkaline earth metals give no precipitate but may cause gelatinization after standing for hours, days, or perhaps weeks. It is precipitated immediately by barium hydroxide, concentrated solutions of ammonium sulfate, dilute solutions of egg albumin, glue, and many basic dyestuffs such as Methylene Blue. Regarding the effect of the salts of the alkali metals on the precipitation, Pappada found that the anions played little part but that the influence of the cations increased with the molecular weight, caesium having the greatest and lithium the least. t R. Zsigmondy und R....



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