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Volume 10, Issue 4, October-December 2017, Pages 1119-1127 Investigation and alleviation of mutual interference of Fe ² +and PO ₄ ³⁻ ions by protonation (Article) (Open Access)	*
Darade, S.S. ^a ⊠, Bandela, N.N. ^b ^a Department of Environmental Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, MS 431004, India ^b Hindustan Organic Chemicals Limited, Rasayani, MS 410207, India	PlumX Metrics Usage, Captures, Mentions, Social Media and Citations beyond Scopus.
Abstract	Cited by 1 document
spectrophotometric analysis. Complexing both Fe and PO ₄ ions in the form of Fe-P complex were done for isolating the Iron and phosphate radicals from other interferences. Whereas to avoid the interference of Fe in PO ₄ estimation, AIPO4 complex was formed. This triggered the idea to pre-concentrate the two ions by protonation using a strong acid. The results obtained justified the need for isolation of Fe ² +and PO ₄ 3 This study provides an exact estimation of Fe2+at pH 1.5. The results obtained were statistically correlated by Pearson's correlation coefficient and the results were statistically significant at p value 0.01. © RASAYAN. All rights reserved.	Effect of pH and anion interferences on determination of orthophosphate speciation by diffusive gradient in thin film (DGT) technique Maimulyanti, A., Budiawan, Saefumillah, A. (2018) Rasayan Journal of
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