Appendix
A spectrophotometric method for the simultaneous determination of iron(II) and iron(III) has been developed based on their complexation reaction in the pyridine aldehyde oxime. The determinations are based on effecting change in pH from 4 to 6. Amounts of iron(II) and iron(III) can be calculated based on pre-constructed calibration plots. The method is simple and needs no prior separation. It can be used for the determination of microgram quantities of the metal ion in two different oxidation states.

Communicated to Talanta.
SPECTROPHOTOMETRIC METHOD FOR THE SIMULTANEOUS
DETERMINATION OF VANADIUM(IV) AND VANADIUM(V)

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A rapid and sensitive method for the simultaneous determination of vanadium(IV) and vanadium(V) is developed. The method is based on difference in $\lambda_{\text{max}}$ values of the two complexes. The absorbances are measured at 313.7 and 380 nm and amounts are determined from pre-constructed calibration plots. The method is selective and is useful for the determination of the same metal ion in two different oxidation states in microgram quantities.

Communicated to Analyst.
SIMULTANEOUS DETERMINATION OF FERRIC AND FERROUS IRON
USING PYRIDINE ALDEHYDE OXIME

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