

## **A kinetic study of the oxidation of D (+) mannose by potassium permanganate in acidic medium**

**Mustafa J.A.Abualreish**

Department of Chemistry, Omdurman Islamic University, Sudan

The uncatalysed reaction of potassium permanganate with D (+) mannose in acidic medium was investigated kinetically. The progress of the reaction was followed by examining the concentration of potassium permanganate in the reaction mixture at different time intervals

spectrophotometrically. The reaction rates were enhanced by  $3 \times 10^{-4}$ M of  $\text{KMnO}_4$  concentration and the oxidation with  $\text{KMnO}_4$  was found to be faster using  $2 \times 10^{-2}$ M of Mannose and  $5 \times 10^{-1}$ M of Sulphuric acid.

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