

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
100	Permanganate Ion	$\text{H}^\bullet + \text{MnO}_4^- \longrightarrow \text{H}^+ + \text{MnO}_4^{2-}$	3	$2.4 \times 10^{10}$	p.r.; D.k. at 545 nm.	650385