

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
22	Oxygen	$\text{O}^{\bullet-} + \text{O}_2 \longrightarrow \text{O}_3^{\bullet-}$		3.6×10^9	Selected value	81A177
				3.8×10^9	f.p.; P.b.k. at 430 nm in periodate soln. contg. 0.2 mol L ⁻¹ NaOH, assumed $[\text{O}_2] = 1.15 \times 10^{-3}$ mol L ⁻¹ .	81A177
			~11	3.6×10^9	p.r.; P.b.k. at 430 nm.	690379
			13	2.5×10^9	p.r.; P.b.k. at 430 nm.	660001
			alk.	4×10^9	P.b.k.	660424