

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
85	Iron(II) Ion	$\cdot\text{OH} + \text{Fe}^{2+} \longrightarrow \text{FeOH}^{2+} + \text{H}_2\text{O}$	3	4.3×10^8	p.r.; P.b.k. at 300 nm in N ₂ O-satd. soln. (20-220°C) and 10 ⁻³ or 3 × 10 ⁻¹ mmol L ⁻¹ Fe ²⁺ ; best value.	81A370
			7	3.2×10^8	p.r.; P.b.k. at 300 nm in soln. contg. FeSO ₄ .	81A153
			1	2.3×10^8	p.r.; P.b.k. at 240 nm in O ₂ -satd. HClO ₄ soln.; no temperature dependence 17-67°C.	720354
			4.5-6.2	3.5×10^8	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{EtOH})$.	710137