

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
40	Cadmium(II) Ion	$\text{e}_{\text{aq}}^- + \text{Cd}^{2+} \longrightarrow \text{Cd}^+$		5.4×10^{10}	Average of 6 values.	
			6.1	4.8×10^{10}	p.r.; D.k. at 600 nm; counter ion SO_4^{2-} ; $I = 1.8 \times 10^{-3}$.	751027
			6.1	6.0×10^{10}	p.r.; D.k.; k also detd. at 6.4 kbar (6.4×10^8 N/m ²); counter ion SO_4^{2-} .	720102
			4.4	6.4×10^{10}	p.r.; D.k. at 550 nm in soln. contg. 10^{-3} mol L ⁻¹ EtOH and 1 and 0.1 mol L ⁻¹ CdSO ₄ ; k cor. for I .	700242
			6.0	5.1×10^{10}	p.r.; D.k. at 575 nm; $I = 4.0 \times 10^{-5}$.	690277
			7	5.2×10^{10}	p.r.; D.k.; counterion Cl^- or ClO_4^- .	650044
			6.5	4.8×10^{10}	p.r.; D.k.; counterion SO_4^{2-} .	650047