

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
2	Diamminesilver(I) ion	$\text{e}_{\text{aq}}^- + \text{Ag}(\text{NH}_3)_2^+ \longrightarrow \text{Ag}^0 + \text{NH}_3$		$3.2 \times 10^{10\text{ }b}$	p.r.; D.k. at 720 nm as well as p.b.k. at 360 nm (Ag ⁰), counterion SO ₄ ²⁻ ; soln. contains 0.1 mol L ⁻¹ NH ₃ .	680435
			11.1	$8.0 \times 10^{10\text{ }b}$	p.r.; D.k.; counterion ClO ₄ ⁻ ; soln. contains 0.2 mol L ⁻¹ NH ₃ .	650047