

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
21	Neptunate(VI) Ion	$\text{O}^- + \text{NpO}_4^{2-} \longrightarrow \text{OH}^- + \text{NpO}_4^-$	>12	$4.2 \times 10^7$	p.r.; P.b.k. (Np <sup>VII</sup> ) at 412 and 620 nm in N2O-satd. soln. contg. 0.5-1.7 mol L <sup>-1</sup> LiOH; in acid soln. Np(VII) not formed.	78A463