

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
141	Hexaammineruthenium(III) Ion	$\text{H} \cdot + \text{Ru}(\text{NH}_3)_6^{3+} \longrightarrow$		$1.8 \times 10^6{}^a$	e.d.; Detd. from dose rate of H atoms and amount of redn. product; calcd. by method in [650012].	701229