Supplementary Information

Formation of a Eu(III) borate solid species from a weak Eu(III) borate complex in aqueous solution

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Fig. S2: Progress of the luminescence lifetime \(\tau\) of europium during the Eu(III) borate solid formation for solutions containing \(3 \times 10^{-5}\) M Eu(III), \(c_{B,\text{total}} = 0.2\) M … 0.7 M, \(I = 0.1\) M, pH 6

Fig. S3: Powder X-ray diffraction pattern of the solid Eu(III) borate (black graph); X-ray diffraction pattern of the sodium pentaborate phase (Na₂[B₅O₈(OH)]·H₂O) described by Menchetti et al.¹ (main diffraction peaks are shown as grey vertical lines)

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