Montserrat Filella

31 May 2021

Beryllium

Reaction	Baes and Mesmer, 1976
$Be^{2+} + H_2O \rightleftharpoons BeOH^+ + H^+$	–5.40
$Be^{2+} + 2\ H_2O \rightleftharpoons Be(OH)_2 + 2\ H^+$	–23.65
$Be^{2+} + 3\ H_2O \rightleftharpoons Be(OH)_3^- + 3\ H^+$	–23.25
$Be^{2+} + 4\ H_2O \rightleftharpoons Be(OH)_4^{2-} + 4\ H^+$	–37.42
$2\ Be^{2+} + H_2O \rightleftharpoons Be_2OH^{3+} + H^+$	–3.97
$3\ Be^{2+} + 3\ H_2O \rightleftharpoons Be_3(OH)_3^{3+} + 3\ H^+$	–8.92
$6\ Be^{2+} + 8\ H_2O \rightleftharpoons Be_6(OH)_8^{4+} + 8\ H^+$	–27.2
α-$Be(OH)_2(cr) + 2\ H^+ \rightleftharpoons Be^{2+} + 2\ H_2O$	6.69

C.F. Baes and R.E. Mesmer, The Hydrolysis of Cations. Wiley, New York, 1976.