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Chromium(VI)

Reaction	Baes and Mesmer, 1976	Ball and Nordstrom, 1998
$CrO_4^{2-} + H^+ = HCrO_4^-$	6.51	6.55 ± 0.04
$HCrO_4^- + H^+ = H_2CrO_4$	–0.20	
$CrO_4^{2-} + 2\ H^+ = H_2CrO_4$		6.31
$2\ HCrO_4^- = CrO_7^{2-} + H_2O$	1.52	
$2\ CrO_4^{2-} + 2\ H^+ = CrO_7^{2-} + H_2O$		14.7 ± 0.1

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

J.W. Ball and D.K. Nordstrom, Critical evaluation and selection of standard state thermodynamic properties for chromium metal and its aqueous ions, hydrolysis species, oxides and hydroxides. J. Chem. Eng. Data, 43, 895–918 (1998).