
Equilibrium constants for hydrolysis and associated equilibria in critical compilations

Tungsten

Equilibrium reactions	lgK at infinite dilution and $T = 298 \text{ K}$
	NIST46
$\text{WO}_4^{2-} + \text{H}^+ \rightleftharpoons \text{HWO}_4^-$	3.6
$\text{WO}_4^{2-} + 2 \text{H}^+ \rightleftharpoons \text{H}_2\text{WO}_4$	5.8
$6 \text{WO}_4^{2-} + 7 \text{H}^+ \rightleftharpoons \text{HW}_6\text{O}_{21}^{5-} + 3 \text{H}_2\text{O}$	63.83

NIST46, NIST Critically Selected Stability Constants of Metal Complexes: Version 8.0. Available at:
www.nist.gov/srd/nist46.

Distribution diagrams

These diagrams have been computed at two W concentrations (1 mM = 1×10^{-3} mol L⁻¹ and 1 μ M = 1×10^{-6} mol L⁻¹) with the 'best' equilibrium constants above. Calculations assume $T = 298$ K for the limiting case of zero ionic strength (*i.e.*, even neglecting plotted ions).

