

# Osmium

No reliable values could be found for Os. The table below just reproduces the values found in the NIST database as reported.

Equilibrium reactions	lgK at infinite dilution and $T = 298\text{ K}$
	NIST46
$\text{OsO}_3 + 3\text{H}_2\text{O} \rightleftharpoons \text{HOsO}_2(\text{OH})_4^- + \text{H}^+$	5.3 <sup>a</sup>
$\text{OsO}_4 + \text{H}_2\text{O} \rightleftharpoons \text{HOs}_2\text{O}_5^- + \text{H}^+$	1.6 <sup>a</sup>

<sup>a</sup>Values at  $I = 0.1\text{ M}$ .

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