

cobalt oxide

Other names:	Cobalt monoxide cobalt monooxide cobalt(2+) oxide cobalt(II) oxide
Inchi:	InChI=1S/Co.O
InchiKey:	IVMYJDGYRUAWML-UHFFFAOYSA-N
Formula:	CoO
SMILES:	O=[Co]
Mol. weight [g/mol]:	74.93
CAS:	1307-96-6

Physical Properties

Property code	Value	Unit	Source
ea	1.54 ± 0.04	eV	NIST Webbook
ea	1.45 ± 0.01	eV	NIST Webbook
ie	8.90 ± 0.20	eV	NIST Webbook
ie	9.00	eV	NIST Webbook

Sources

Low temperature heat capacity of bulk and nanophase ZnO and Zn_{1-x}Co_xO
NIST Webbook: <https://www.doi.org/10.1016/j.jct.2013.01.004>
<http://webbook.nist.gov/cgi/cbook.cgi?ID=C1307966&Units=SI>

Legend

ea: Electron affinity
ie: Ionization energy

Latest version available from:

<https://www.cheméo.com/cid/66-847-9/cobalt-oxide.pdf>

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