

Common Oxide Gravimetric Conversions

Metal	Oxide Form	Factor
Al	Al ₂ O ₃	1.88946
B	B ₂ O ₃	3.21987
Ba	BaO	1.11651
C	CO ₂	3.66409
Ca	CaO	1.39920
Cr	Cr ₂ O ₃	1.46155
Cu	CuO	1.25181
Fe	FeO	1.28648
Fe	Fe ₂ O ₃	1.42973
Hf	HfO ₂	1.17929
K	K ₂ O	1.20458
Li	Li ₂ O	2.15283
Mg	MgO	1.65807
Mn	MnO	1.29122
Mo	MoO ₃	1.50031
Na	Na ₂ O	1.34797
Nb	Nb ₂ O ₅	1.43053
Ni	NiO	1.27254
P	P ₂ O ₅	2.29136
Pb	PbO	1.07722
S	SO ₃	2.49687
Si	SiO ₂	2.13932
Sr	SrO	1.18261
Ti	TiO ₂	1.66806
Y	Y ₂ O ₃	1.26994
Zn	ZnO	1.24476
Zr	ZrO ₂	1.35080

Others

Si	SiC	1.42765
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To convert from metal to oxide, multiply by factor

To convert from oxide to metal, divide by factor