



>>Entry Name: Aluminium copper oxide (Al_2CuO_4), 9CI

CAS Registry Number: 12042-92-1

Al_2CuO_4

Molecular Formula: Al_2CuO_4

Molecular Weight: 181.507

Accurate Mass: 180.882336

Percentage Composition: Al 29.73%; Cu 35.01%; O 35.26%

General Statement: Spinel struct.

Source/Synthesis: Synth. by heating $\text{Al}_2\text{O}_3 + \text{CuO}$

Physical Description: Cryst.

References:

Arjomand, M. *et al.*, *J.C.S. Dalton*, 1975, 1061-1066, (*synth, cryst struct*)

Kurihara, L.K. *et al.*, *Chem. Mater.*, 1993, **5**, 609-613, (*synth, cryst struct*)