



>>Entry Name: Indium(III) hydroxide (In(OH)₃)

CAS Registry Number: 20661-21-6

In(OH)₃

Molecular Formula: H₃InO₃

Molecular Weight: 165.842

Accurate Mass: 165.9121

Percentage Composition: H 1.82%; In 69.23%; O 28.94%

Source/Synthesis: Synth. from InCl₃ aq. + NH₃. Cryst. in sealed tube at 160°

Physical Description: White cryst. (H₂O)

Other Data: *n*_D 1.716

Aldrich: 31847-7

References:

Roy, R. *et al.*, *J. Phys. Chem.*, 1954, **58**, 372, (*synth*)

Aksel'rud, N.V. *et al.*, *Russ. J. Inorg. Chem. (Engl. Transl.)*, 1959, **4**, 449, (*potentiometric data*)

Christensen, A.N. *et al.*, *Acta Chem. Scand.*, 1967, **21**, 1046, (*synth, cryst struct, nd, ir*)

Brauer, G., *Handbuch Prep. Anorg. Chem.*, 3rd edn., Ferdinand Enke Verlag, 1975, **2**, 870, (*synth*)

Smyshlyaev, S.I. *et al.*, *Russ. J. Phys. Chem. (Engl. Transl.)*, 1976, **50**, 528, (*thermodynamic props*)

Nichols, G.D., *Inorg. Nucl. Chem. Lett.*, 1979, **15**, 401, (*pe, Auger*)

Mullica, D.F. *et al.*, *J. Inorg. Nucl. Chem.*, 1979, **41**, 277, (*cryst struct, nd*)