



>>Entry Name: Lanthanum nitride (LaN)

CAS Registry Number: 25764-10-7

LaN

Molecular Formula: LaN

Molecular Weight: 152.912

Accurate Mass: 152.909421

Percentage Composition: La 90.84%; N 9.16%

Use/Importance: Catalyst for ammonia synth. Used in ceramics for electrodes etc.

Physical Description: Moisture-sensitive black powder

Other Data: Paramagnetic

References:

Didchenko, R. *et al.*, *J. Phys. Chem. Solids*, 1963, **24**, 863, (*magnetism*)

Gmelin Handbook Inorg. Chem., Syst. No. 39, 1974, **C2**, 146; 162, (*rev*)

Brauer, G., *Handbuch Prep. Anorg. Chem.*, 3rd edn., Ferdinand Enke Verlag, 1975, **2**, 1105, (*synth*)

Hulliger, F., *Handbook on the Physics and Chemistry of Rare Earths*, 1979, **4**, 153, (*rev*)

Japan. Pat., 1983, 60 90 873; *CA*, **104**, 23369, (*use*)

Panov, G.I. *et al.*, *Proc. Int. Congr. Catal.*, 8th, 1984, 1985, **3/III**, 371, (*use*)