

Identification

Al(OH)₃
M = 78,00 g/mol
CAS [21645-51-2]
EC number: 244-492-7
Taric code: 2818 30 00

Synonyms

Gibbsite, Hydrargillite

Applications

chromatography, emulsifier, manufacture of dyes, in lubricant compositions, ion exchanger.

Specifications

assay (complexometric).....	min. 90 %	iron (Fe).....	max. 0,01 %
arsenic (As).....	max. 3 ppm	lead (Pb).....	max. 0,002 %
copper (Cu).....	max. 0,002 %	nickel (Ni).....	max. 0,002 %
		residue on ignition.....	32 - 35 %

Physical data

- Spec. Density: 2,42 g/cm³
- Bulk density: ~ 600 kg/m³
- Solub. in water: (20 °C): ~ 0,0015 g/l
- Melting point: 300 °C (release of crystalline water)
- Vapour pressure: (20 °C) < 0,1 hPa
- pH(100 g/l H₂O, 20 °C) ~ 8 - 9

Transport/storage

- 15°C - 25°C