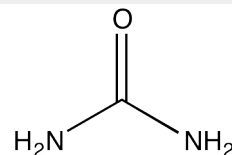


Identification

CH₄N₂O
M = 60,06 g/mol
CAS [57-13-6]
EC number: 200-315-5
Taric code: 3102 10 10



Synonyms

Carbamide, Carbonyldiamide

Applications

laboratory reagent, in biochemistry, in fertilizer compositions, manufacturing of synthetic resins, in the plastics industry, for reversible denaturation of proteins.

Specifications

assay (titration with HClO ₄).....	99 - 100,5 %	sulfates (SO ₄).....	max. 0,001 %
identity (IR-spectrum).....	passes test	copper (Cu).....	max. 2 ppm
melting point.....	132 - 135 °C	heavy metals (as Pb).....	max. 4 ppm
insoluble in water.....	max. 0,005 %	iron (Fe).....	max. 1 ppm
acidity (as HCl).....	max. 0,002 %	nickel (Ni).....	max. 2 ppm
alkalinity (as NaOH)	max. 0,01 %	biuret.....	max. 0,1 %
chlorides (Cl).....	max. 0,0005 %	residue on ignition.....	max. 0,01 %

Physical data

- Spec. Density: 1,34 g/cm³
- Bulk density: ~ 750 kg/m³
- Solub. in water: (20 °C): 590 g/l
- Melting point: 132,5 - 134,5 °C
- Vapour pressure: (75 °C) ~ 0,002 hPa
- pH(100 g/l H₂O, 20 °C) ~ 9,5

Transport/storage

- 5°C - 30°C